REPORT

OF THE

STATE DEPARTMENT

OF

FORESTRY

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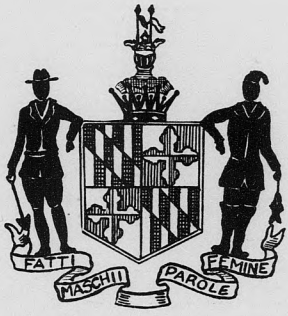
1923/25

UNIVERSITY OF MARYLAND

FOR

FISCAL YEARS 1924 AND 1925

OCTOBER 1, 1923 TO SEPTEMBER 30, 1925



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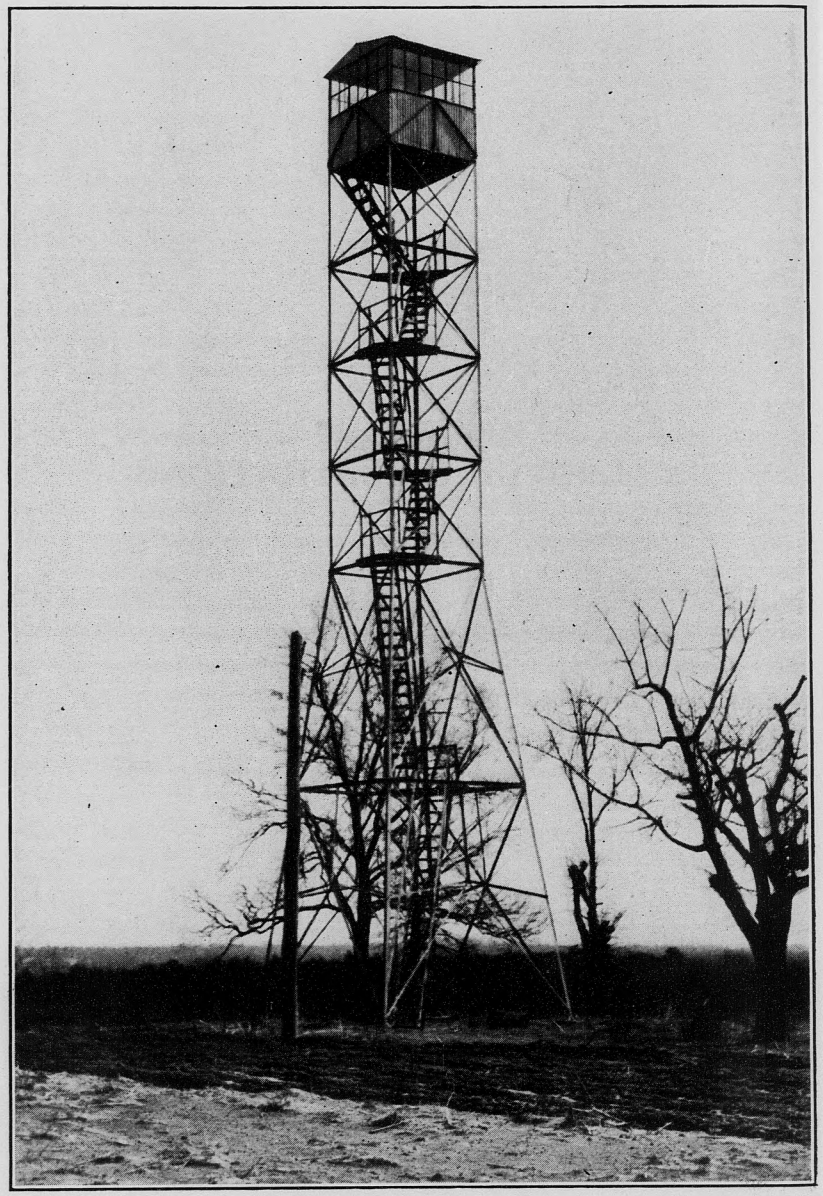


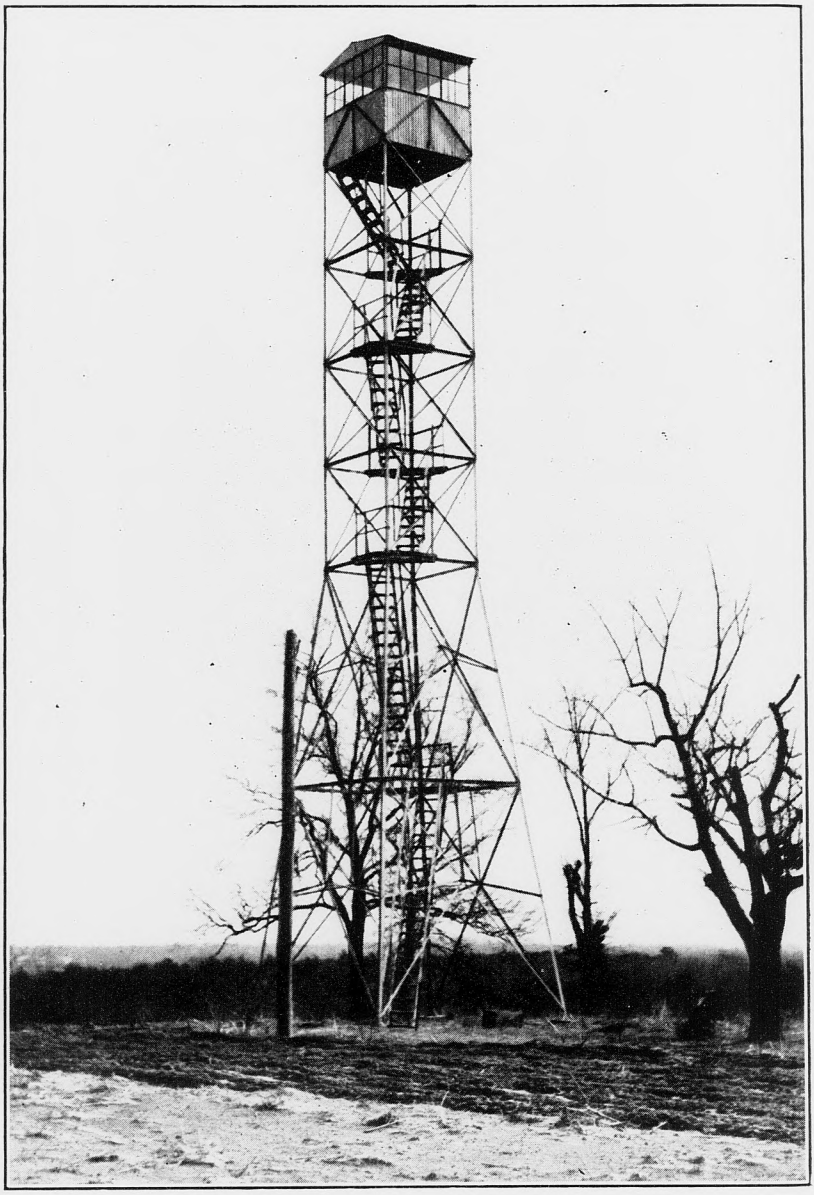
LONG HILL TOWER,

Near Glenburnie, Anne Arundel County. By means of towers such as this Forest Fires are quickly detected.

INTRODUCTION

The Department of Forestry, acting through the State Forester, is charged by law with "the direction of all forest interests and all matters pertaining to forestry and the forest reserves within the jurisdiction of the State." "He shall take such action as is authorized by law to prevent and extinguish forest fires, enforce all laws pertaining to forest and woodland, and prosecute for any violations of such laws; collect data relative to forest destruction and conditions; direct the protection and improvement of state parks and forest reserves and cooperate with land owners."

The Forestry Department is clothed with broad powers and charged with definite responsibilities. It has during the biennium just passed, as in other previous periods, endeavored to discharge its responsibilities and carry forward constructive work to the limit of its resources. For the most part, the results have been gratifying for real progress has been made. Interest in forestry is increasing rapidly. This in turn increases the demands upon the Department for better forest protection and more assistance in handling forest problems—a legitimate demand that cannot be satisfied under present budget limitations. The necessity of increasing the productiveness of forest lands to meet the timber needs of the State calls for the universal practice of forestry in which the State should lead the way. There never has been so great an opportunity as now for rebuilding our wasted forest resources. This report indicates the main lines of activity of the Department and records the progress made.



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ASSISTANCE TO WOODLAND OWNERS.

The forest area of the State, comprising 2,228,000 acres of woodland, is practically all privately owned. The state forests comprise less than 5,000 acres. About 75 per cent of the forested area of the State is attached to farms, representing nearly 50,000 individual owners. The remaining 25 per cent is principally in larger areas, owned by coal mining, water-power, and lumber companies. Since the forest land is practically all privately owned and divided in relatively small holdings among a very large number of individual owners, the practice of forestry rests in private hands. If, therefore, forestry is to advance, it must be through individual initiative, or through cooperative effort on the part of the State with the individual owners.

The Forestry Department has been keenly alive to its responsibilities in preparing the way for forestry progress by helping the private owner to practice forestry on his own lands. A highly developed system of cooperation has been practiced for many years with most gratifying results. Any landowner of the State may, by applying to the State Forester, have his woodlands examined, a plan of management prepared, and receive all of the expert assistance needed in handling his forestry problems. The service is without charge.

If a more personal service is required—in selecting and marking trees for cutting, estimating the timber, drawing up timber contracts, assisting in selling his timber, or inspecting the timber operations,—expert service is given at a nominal charge. That this service is appreciated and that results are being accomplished is attested by the large number who each year apply for assistance, covering approximately 9,052 acres of the forested area of the State, and in the same time, there have been 19 cases where selective markings and detailed plans of forest management have been put in practice on 1,269 acres of forest land. This service has not only been of invaluable help to the individuals who were benefited, but each operation, furnishing as it does an object lesson of applied forestry in the community, leads others to do likewise. During the biennium, 107 examinations in 20 of the 23 counties were made and detailed reports submitted to the owners of 9,052 acres of woodland. The three counties in which no work was done are Alle-

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gany, Kent, and Queen Anne. A record of examinations for the past biennium is recorded in the appendix.

In a number of cases, after the examinations were made and the reports submitted with recommendations, forestry improvement work was undertaken, generally in the form of a selective cutting. The trees were marked and estimated by the forester and a detailed plan of management carried out. There have been 19 cases of this kind in the past two years, covering 1,269 acres of woodland in 8 counties. The record of such improvement work for the past two years is to be found in the appendix.

COOPERATION WITH THE AGRICULTURAL EXTENSION SERVICE

From the beginning of extension work in Maryland, under the Smith-Lever Act, the Forestry Department has cooperated with the Extension Service in bringing about better forestry practice among the farmers of the State.

Since July, 1925, when, under the Clarke-McNary law, a small sum of money was made available for education and demonstration work in forestry through the Extension Service, the Forestry Department furnished additional funds and a member of the staff was assigned to the Extension Service under an arrangement with the Federal Government, the Extension Service, and the Forestry Department. All forestry work in the State is closely coordinated, avoiding duplication and securing an efficient administration of all forest activities.

The Extension Service, through its county agents, who are in close touch with farmers and their problems—one of the most important of which is the proper handling of farm woodlands—furnishes contacts for the extension forester that are particularly favorable and most helpful.

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STATE FORESTS.

The area of the state forests has not increased in the past two years, although a strong effort was made before the last Legislature to secure additional funds for the purpose. There are large areas of forest land now unproductive that could be purchased at small cost, which would, under state ownership and control, become in time valuable timber producing areas, and also bring about the many other benefits now enjoyed on the state forests.

The total acreage of state forests is 3,843, whereas under the conditions that obtain here in Maryland, there should be 200,000 acres of publicly owned forests, of which the State should own at least 150,000 acres, and the municipalities 50,000. The small areas of state forests have demonstrated, most conclusively, their value to the State. As demonstrations in forest management for timber growing, the Garrett County Forests—Skipnish, 888 acres, Brier Ridge, 931 acres, Herrington Manor, 712 acres, and Kindness, 206 acres—have shown unlimited possibilities and have materially helped to bring about better forest management in the community and in the county. The Patapsco Forest of 916 acres has exemplified, in a most satisfactory way, that the use of the forest for camping and other forms of recreational value is a real need, and gives thousands of people recreation under wholesome, natural surroundings. The Fort Frederick Forest, so named from the old fort, is not only a center of the greatest historical interest but is attracting many people as a recreation center. It also serves as an experimental area of the highest value in forest planting. The Department now has important tree species suitable for planting arranged in blocks, so that they can be easily inspected and studied.

In addition to the four tracts named above, a tract of 600 acres, including the beautiful scenic Swallow Falls and Muddy Creek Falls, owned jointly by the Grand Lodge of Masons of Pennsylvania and West Virginia, is used by the Forestry Department under a cooperative agreement. The number of campers on the forest lands, particularly in the vicinity of Swallow Falls, is increasing. This section, because of its scenic beauty, mountain climate, and attractive surroundings, is one of the most popular sections of Western Maryland. The land borders

the Skipnish State Forest, and so far as it is used for recreation, it is to all intents and purposes a part of the state forests under state control.

GARRETT COUNTY.

The Garrett County forests are in charge of a resident warden who protects the property from fire and trespass, issues free permits for camping, and is responsible for the enforcement of the rules and regulations adopted for their control. The tower on Snaggy Mountain, which overlooks the state forests, is connected by telephone with the resident warden's headquarters and other points on the state forests for the prompt detection and report of fires. There have been no fires on the Garrett County forests for the past two years, and in fact, no fires on the state forests for several years, except on Kindness Forest which is detached from the main body of state forests.

FORT FREDERICK.

The most distinctive feature of the Fort Frederick Forest is the old fort, built in 1756 and still in a good state of preservation. Erected at the time of Braddock's campaign, and one of a chain of forts along the western frontier of the Colonies, it is the best preserved one of them. It has participated in three wars—the French and Indian, Revolutionary, and Civil War—and is today one of the most noted landmarks of the early Colonial days.

A resident warden is stationed at the fort, and reports an increasing number of visitors. The Daughters of the American Revolution have shown a substantial interest in the fort property by planting a group of 1,097 white pine trees, one for each member of the organization in Maryland, to serve as a background for the fort. The walls of this fort rise to a height of 17 feet and form an enclosure of 1½ acres. The Children of the American Revolution have also made a contribution of 45 trees to the fort.

During the time that the fort was under private ownership a portion of the wall at one corner was taken down to erect a barn. The barn has been torn down, but the wall has not been restored. This can be done at a cost of $2,000, and funds should be made available for the purpose.

PATAPSCO

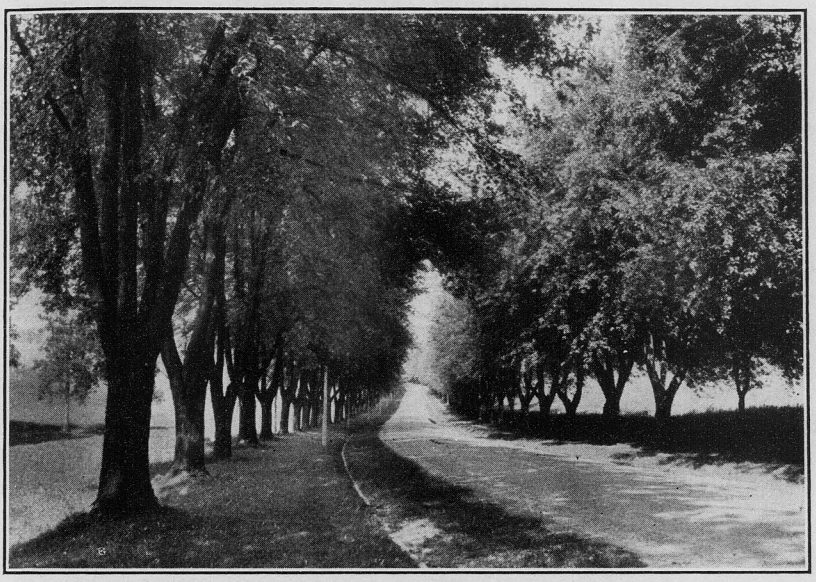
The Patapsco State Forest comprises 916 acres of state-owned land, and 1,500 acres of cooperative land, lying along both sides of the Patapsco River between Relay and Hollofield. As in the case of the other state forests a resident warden is in charge, and he is assisted in the summer months by two assistant patrolmen. Nearness to Baltimore and the natural beauty of the surroundings attract thousands of campers and recreationists who make full use of the forest. No camping is allowed except by permit, which is given without charge. Free camping sites are also provided. Five hundred permits were issued in the last two years, giving camping privileges to 5,000 people. In addition to the campers, there were not less than 20,000 who visited the forest for day's outings. Camping is permitted on the cooperative lands, the same as on state lands, so that the Patapsco Forest, with its auxiliary lands, comprises over 2,500 acres.

STATE FOREST NURSERY.

The State Forest Nursery at College Park, while it has increased its capacity during the past two years, is still unable to supply the demand for trees and a further extension, with increased equipment, is urgently needed. Its primary purpose is to supply suitable trees for forest planting at low cost to encourage the planting of waste land.

When the Roadside Tree Law was enacted some years ago, providing for the planting of trees along the public highways, the State Nursery started the growing of large size stock of suitable varieties of trees for such planting. This required much additional space, as it was necessary to transplant the trees two or three times, and to hold them in nursery rows for several years before they could be developed to sufficient size for roadside planting. The demand for shade trees has been quite as great as that for forest planting stock, with the result that at no time has the Nursery been able to supply all those who applied for planting stock. Trees for forest planting, as well as for roadside planting, are furnished at the cost of growing them, so that the Nursery, with the exception of a small allotment for overhead expense, is carried on a self-supporting basis.

Plate II Figure 1



PLANTED ROADS
Shade trees along the Roadway are attractive and help to hide signboards.

Plate II Figure 2

PLANTED STREETS
Streets lined with well-cared for trees are more inviting.

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During the past biennium large quantities of seed were sown in the seed-beds for growing forest planting stock, doubling the capacity of the nursery. At the same time 50,000 trees were transplanted to nursery rows for the development of large size trees suitable for roadside planting.

During the seasons of 1924 and 1925 there were growing at the State Nursery 13 different species of trees of small size suitable for forest planting, namely—white pine, red pine, loblolly pine, Scotch pine, Norway spruce, cypress, European larch, northern white cedar, red oak, walnut, black locust, sugar maple, and white ash. There were at the same time also growing at the Nursery large sized trees of fourteen different species suitable for highway planting, namely—cypress, pin oak, red oak, scarlet oak, willow oak, black oak, American elm, black walnut, white ash, green ash, Oriental plane, black locust, honey locust, and red gum.

It is the purpose of the Nursery to make available for distribution a sufficient variety of trees of proven value to meet the requirements of planting in any kind of soil and for any specific purpose. The same is true of the large size stock which is grown for shade tree planting.

During the past two years the Nursery supplied trees to more than 400 individuals or associations, each allotment varying from a few trees to 25,000. During this period 198,000 trees were distributed for forest planting, and 10,435 for roadside planting.

The distribution of stock from the State Nursery is limited to forest planting and roadside planting, the applicant in each case signing an agreement with the Forestry Department that the trees secured shall be used only for reforestation or for planting along roadsides. The Nursery has been improved by a woven wire fence, and the addition of a water system for sprinkling the seed beds during dry periods.

The location of the Nursery on the grounds of the University of Maryland, College Park, affords an excellent opportunity for the students who are taking the farm forestry course to observe and participate in nursery work and forest planting. It is also a decided advantage, both to the Nursery and to the students, to have available student labor, which is employed extens-

ively during the rush periods in the spring and fall, at the prevailing rate of pay.

FOREST PLANTING.

There are approximately 350,000 acres of waste land in the State, most of which could be more profitably employed in the growing of timber than in any other way. This land at the present time is non-productive, and at an average cost of $10 per acre could be planted with suitable forest trees, including the stock and labor of planting, with a reasonable assurance of bringing good returns on the investment. While the interest in forest planting is rapidly increasing, more rapidly in fact than the Forest Nursery is capable of furnishing stock, there is a big reforesting problem that will take many years to work out.

For forest planting, the conifers or evergreens are preferred, because they produce a more valuable product in a shorter time than do the hardwoods, with the possible exception of black locust. Of the coniferous trees, the pines are usually the best—white pine for the western part of the State and the Piedmont, shortleaf pine for the dry sites in the Piedmont and the up-land portions of Southern Maryland, while the loblolly pine is the best tree for the lower and moist sites in Southern Maryland and throughout the Eastern Shore. Red pine, Norway spruce, and European larch are also valuable trees for certain locations in western and central Maryland. These, therefore, are the trees that are being grown most extensively at the Nursery for forest planting, although there are several other species which, for certain types of soil, or specific areas, can be as highly recommended.

Plantations of forest trees have been made in nearly every county of the State. Each planting demonstration has created an interest in planting in the different communities to the extent that the planting program is going ahead more rapidly in some sections than other features of forestry work.

Those who contemplate forest planting are always advised by the Department to have their lands examined first, with reference to the suitability for forest planting, and if found suitable, the kind or kinds of trees that would serve best in the particular area to be planted is recommended. This service is ren-

dered by the Department without charge, and it has been found by experience that the prospective planter is in need of such help to avoid mistakes.

A series of planting leafiets, describing the various trees suitable for forest planting, with the probable yields and financial returns, has been made available to all who request such information. The Department is keeping careful records of the more important plantations, making periodic measurements for the purpose of securing reliable information as to the rate of growth, susceptibility to injury, and probable returns from plantations of the different species on different qualities of land. This is the best possible index of what trees will do under specific conditions, and furnishes the basis for accurate estimates of yield and financial returns to those who wish to plant trees.

SHADE TREE WORK.

There has been a marked increase in the number of inquiries regarding the planting, care, and protection of shade trees. The value of trees for shade and ornamentation was never appreciated so much as now, and more trees are being planted for the purpose than ever before.

The Roadside Tree Law, enacted in 1914 for the care and protection of trees along the streets and highways, was the beginning of this stimulated interest. During the past two years, it is safe to say that there have been five times as many inquiries coming to the Department on this subject as during any other similar period. Many of the inquiries are in regard to the kinds of trees to plant and the identification of specimens, but there are also a large number of inquiries regarding shade tree insects and diseases.

Numerous examinations of individual trees have been made in connection with other work, and everyone presenting a shade tree problem has received proper attention. As in previous years, a large part of the work has consisted of supervising the trimming of trees along the public highways by the pole line companies, to give clearance to their wires. This work of supervision is performed by tree wardens, under the administrative control of the Forestry Department, and is paid for from a fund which is collected from the pole line companies, representing the actual cost of the work. During the past biennium approximately 65,000 trees have been trimmed under state supervision.

A plan has been devised in cooperation with the pole line companies, whereby in the case of the erection of new pole lines, the Department is notified and one of its representatives goes over the proposed line with the company's engineer, with a view to placing the poles where they will cause the least amount of interference with the trees along the roadway. This is in line with the policy of the Department in preserving the roadside trees in the best shape possible, and at the same time providing reasonable clearance for the pole line companies, which are rendering a public service.

While the care and protection of the existing trees along the highways and streets in towns are of the greatest importance, there is a most inviting field for constructive work in the

planting of trees along the highways. Along most of the main highways the overhead wires have so completely monopolized the space that highway planting under such conditions will meet many obstacles. The sentiment in favor of tree-lined highways is becoming so strong that there must eventually be a choice between overhead wires and shade trees. In the vicinity of towns and cities, at least, it is likely that the shade trees will win out and that overhead wires will be carried in cables, or otherwise arranged so as not to interfere seriously with the tree. There are, however, many miles of highways where trees can now be planted without wire interference. There is nothing that improves the appearance and comfort of highways at so little expense as well-selected and well-spaced shade trees. The Forestry Department has during the past two years distributed 10,435 trees for roadside planting.

TREE CONTEST.

The Maryland Forestry Association, in cooperation with the Department of Forestry, conducted during the summer of 1925 a tree contest for getting records of the most distinguished trees in the State. The Association offered $75 in gold in prizes, each respectively $25, $20, $15, $10, and $5. The Association distributed circulars relative to the contest, while the Forestry Department inspected the trees entered in the contest, took official measurements and photographs, and compiled the records. There were 315 entries in the contest, and as the result the Forestry Association awarded prizes as follows:

1. Pecan, R. Fillmore Lankford, Princess Anne $25
2. English Yew, Mrs. Wm. J. Starr, Easton 20
3. White Oak, James E. Steuart, Annapolis 15
4. Black Oak, J. Harris Franklin, Sudley 10
5. White Oak, Mrs. George C. Wilson, Landover 5

This contest aroused a state-wide interest in large, distinguished trees, and has been the means of discovering many fine specimens of which the Forestry Department had no record.

EDUCATION.

With practically all of the forest lands in the State privately owned, and carelessness causing 90 per cent of our forest fires,

educational methods must be chiefly relied upon to bring about better forest conditions and practices throughout the State. Every opportunity is used to make forestry a live issue in the public mind. The public press, both in the cities and in the rural sections, has shown a splendid spirit of cooperation in putting out numerous news items bearing upon forestry. Special articles have been published in some of the magazines, and the monthly news-letter, issued by the Department, goes to the 300 forest wardens, all of the newspapers, other state departments, and many educational institutions. A number of circulars have been published on forestry subjects.

The Department of Forestry during this period published a bulletin entitled, "Loblolly Pine in Maryland, A Handbook for Growers and Users." This bulletin is divided into three parts. The first deals with the tree itself, its life history, characteristics and enemies; the second with the uses of the wood from the loblolly pine; and the last with the management of the tree as a timber crop. The book is well illustrated and contains many tables. It fills a need for the better understanding and growing of this important tree of our Coastal Plain area.

Illustrated lectures on forestry are becoming more frequent. In the past two years, 259 lectures were given before civic organizations, men's clubs, service clubs, parent-teacher associations, and schools. A list of these is given in the appendix.

The Department has a collection of 1,600 photographs, 1,000 lantern slides, and 2 moving picture reels. These are being constantly drawn upon for illustrations. The Department has, also, a number of exhibits, which have been used at county fairs and for public demonstrations in many places. Sets of photographs, suitably mounted and illustrating various forestry subjects, are loaned to schools for limited periods, and have been of great help to teachers in presenting special forestry subjects.

FOREST INVESTIGATIONS.

FOREST MANAGEMENT.

For many years the scientific staff of the Department has been devoting considerable time, especially during the summer months, to investigation and research in forest problems. Each

year the Department secures information relative to saw-mill and timber operators, of which there are some 800 distributed over the State, in order not only to keep the list up-to-date but also to ascertain the amount of timber of various kinds that is cut in the State annually. Nearly all of the operators have portable mills and move from place to place. As one operation is completed, another tract of timber is located. This necessitates frequent checking up of the list, in order that those who have timber to sell and are seeking purchasers may be given the latest list of those who buy timber. It also enables the Department to keep in close touch with timber operations, thereby gaining a practical knowledge of operating conditions, specifications, and market requirements, in order to render the highest service to timber growers as well as timber buyers.

The Department, in its close contact with private owners in examining and preparing plans of management in the numerous cases where assistance is requested and given, furnishes an excellent opportunity for putting forestry in practice on private lands. At the present time approximately 2 per cent of the total wooded area of the State has been covered. When the woodland is examined, a written report with recommendations is submitted. As these examinations are generally scattered over the State and the applicants usually follow out the recommendations, it gives the Department a good opportunity to put forestry in practice under a very great variety of conditions. Through a follow-up system these operations are being checked up and much valuable data secured of the greatest help in formulating sound forestry practices throughout the State.

During the past two years, additional data has been collected on the annual growth and yield of our more important tree species for the purpose of constructing accurate volume and yield tables of the various species. The study of loblolly pine was completed in the last biennium, and a very comprehensive report published during this biennial period. The study of red gum is still under way, and will be issued in a bulletin similar to that of "Loblolly Pine in Maryland," which is serving in an admirable way in furnishing needed information on this important species.

Plate III Figure 1

NATURAL REPRODUCTION
Young White Pines growing under a stand of old trees.

Plate III Figure 2

VIRGIN HARDWOODS
A tract of old growth hardwoods on the Harrington Manor State Forest in Garrett County.

year the Department secures information relative to saw-mill and timber operators, of which there are some 800 distributed over the State, in order not only to keep the list up-to-date but also to ascertain the amount of timber of various kinds that is cut in the State annually. Nearly all of the operators have portable mills and move from place to place. As one operation is completed, another tract of timber is located. This necessitates frequent checking up of the list, in order that those who have timber to sell and are seeking purchasers may be given the latest list of those who buy timber. It also enables the Department to keep in close touch with timber operations, thereby gaining a practical knowledge of operating conditions, specifications, and market requirements, in order to render the highest service to timber growers as well as timber buyers.

The Department, in its close contact with private owners in examining and preparing plans of management in the numerous cases where assistance is requested and given, furnishes an excellent opportunity for putting forestry in practice on private lands. At the present time approximately 2 per cent of the total wooded area of the State has been covered. When the woodland is examined, a written report with recommendations is submitted. As these examinations are generally scattered over the State and the applicants usually follow out the recommendations, it gives the Department a good opportunity to put forestry in practice under a very great variety of conditions. Through a follow-up system these operations are being checked up and much valuable data secured of the greatest help in formulating sound forestry practices throughout the State.

During the past two years, additional data has been collected on the annual growth and yield of our more important tree species for the purpose of constructing accurate volume and yield tables of the various species. The study of loblolly pine was completed in the last biennium, and a very comprehensive report published during this biennial period. The study of red gum is still under way, and will be issued in a bulletin similar to that of "Loblolly Pine in Maryland," which is serving in an admirable way in furnishing needed information on this important species.

Plate III Figure 1

NATURAL REPRODUCTION
Young White Pines growing under a stand of old trees.

Plate III Figure 2

VIRGIN HARDWOODS
A tract of old growth hardwoods on the Harrington Manor State Forest in Garrett County.

One of the most important forestry problems, especially on the Eastern Shore, is to secure a satisfactory natural regeneration of loblolly pine after cutting. In many of the loblolly pine forests, there is a hardwood undergrowth, which, when the pine is removed, springs up rapidly, often crowding out any young pines that may have started, and preventing a reestablishment of a pine forest. Since the pine is much more valuable than the hardwood from the timber growing standpoint, unless some artificial help is given in releasing the pine reproduction and holding back the hardwood, the resulting forest, made up largely of hardwood, will be much less valuable and produce a much lower yield than would be the case if a practically pure pine forest were reestablished.

The Forestry Department has for many years been working on this problem, and, in cooperation with many private owners, has established permanent plots for detailed study and secured valuable data. In this connection, the cooperative work under way on Dr. E. E. Tull's forest of 800 acres in Somerset County, the plots in the C. R. Disharoon forest, near Snow Hill, and the C. F. Chandler experiment also near Snow Hill, as well as those on the E. S. Adkins & Company lands, near Salisbury, are particularly noteworthy, and are certain to yield in a few years valuable results.

The Department of Forestry is cooperating with the Appalachian Forest Experiment Station in a study to determine the most favorable soil conditions and the best methods of propagating tulip poplar, one of our most valuable tree species. A number of sample plots were taken in Maryland during the summer of 1924-1925.

REFORESTATION.

The wide interest in forest planting in recent years has required an increase in the output of forest planting stock, and a consequent expansion of the State Forest Nursery. There are many problems in nursery practice which remain unsolved and which have increased the difficulties of growing seedlings in dependable quantities.

In this connection a fungus disease known as "damping off" has proven the most serious one. In cooperation with the Fed-

eral Bureau of Plant Industry, a very large number of experiments were conducted in the summer of 1925. Three seed beds, 80x4 feet each, were devoted to these experiments. Similar beds were laid out and treated with different chemicals in varying proportions, including formaldehyde, sulphuric acid, zinc sulphate, and aluminum sulphate. Accurate counts were made during the summer and important results recorded. It was found that in most cases formaldehyde at the rate of one-half ounce per square foot of seed bed gives the best results, consequently it is planned to treat the seed beds next year with formaldehyde to check "damping off."

Investigations have been made to locate all the forest plantations in the State, and records of the area, age, species used, spacing, and other information were made. Measurements will be made from time to time in order to determine the rate of growth of the different tree species on the different soil types and difference in spacing both in pure and mixed stands. Nearly all the plantations on record have been made within the last twelve years, so that it will be some time before dependable data on the rate of growth, volume, and yield will be available, covering any extended periods of growth in the planted stands. Much valuable data, however, is being secured and furnishes the best index of what may be expected in yields from forest planting.

FIRE DAMAGE STUDY.

During the past two years over 100 sample plots have been established for the purpose of studying damage caused by forest fires. These plots have been carefully located and marked, accurately measured, and the growth thereon at the time of establishment recorded. One plot of each site will be burned annually, while the adjoining check-plot will be protected from fire. The conditions, following burning each year, will be carefully noted, and at the end of each five years the plots will be measured. While it is known that surface fires do a considerable amount of damage in the forest, this damage has never been accurately measured in terms of the effect in retarding tree growth and reducing the quality of the product. This study promises to give much more accurate data, relative to fire damage, than has ever been secured heretofore.

FOREST PROTECTION.

The protection of the forests from fire constitutes one of the most important branches of state forestry work. It is the first requisite for the successful and economical practice of forestry. The Department has been earnestly striving to build up a protective organization to meet imperative needs, but with the small appropriation for the purpose, it has been utterly impossible to provide an efficient fire fighting force able to cope with extraordinary seasons, such as occurred in the spring of 1925.

The forest protection organization consists of approximately 300 forest wardens, with full authority to employ assistance and take any necessary measure in combating forest fires. These men are not paid a salary, but only a small hourly rate for services during the time that they are actually engaged in fighting fires. The wardens are scattered throughout the State, but most of them are located in the larger forested areas of Western Maryland. They are doing a splendid service at nominal cost in helping to protect a great natural resource of value to the community. Each man is equipped with suitable fire fighting tools, and in a large number of cases the forest warden has what is termed a "registered crew." This consists of men who can be quickly gotten together in response to a fire call, and who are pledged to go on short notice. The work of the crew is fully organized. Each man is assigned to a particular duty, and with the equipment of special fire fighting tools — back-firing torch, spray pump, and canvas bucket—the crew has been found a most efficient unit in combating forest fires. These 5 or 6 men in the registered crew can do more effective work than 25 or 30 unorganized fire fighters without special fire fighting equipment. There is need of more registered crews and more equipment for this purpose.

LOOKOUT TOWERS.

The prompt detection of forest fires is exceedingly important. In many respects, fighting forest fires is similar to fighting city fires. To get the fire fighters on the scene as quickly as possible is the first requisite for success. Minutes count!

To serve this purpose in protecting the forests, the Department now has in operation 9 lookout towers, each manned by an observer during the fire season who keeps a constant lookout for forest fires. These towers are, most of them, 50 feet high, of steel construction, and located at high points, where there is a wide range of vision. An observer is installed in the little house at the top of the tower, and provided with a map, field glasses, and telephone connection with the wardens in the surrounding country. The lookouts constitute the detection service for promptly reporting to the forest wardens fires within their district. This has been the means of securing more prompt attention to forest fires, thereby greatly reducing the annual fire loss.

During the biennium a new tower was erected at Foy's Hill in Cecil County. This tower was furnished and the erection costs were paid by the Whitaker Iron Company, while Judge H. Arthur Stump made a substantial contribution toward the equipment. From this tower the upper part of Cecil County and the eastern edge of Harford County are visible, affording better forest protection to this section of the State.

The lookout towers now in use in the State are as follows:

* Snaggy Mountain, Thayerville, Bittinger, Dan's Rock Observation Point, Warrior Mountain, ** Quirauk, Foxville, Long Hill and Foy's Hill.

DISTRICT FOREST WARDENS

In order to better coordinate the work of the forest wardens and to give closer supervision, four forest districts were created, and to each was assigned a district forest warden on a part-time basis. The districts are the western, central, northeastern, and southern. This has resulted in considerable improvement, but as the funds were so limited that the men could only be put in on a part-time basis, it has not been possible to carry on the work as intensively as is needed. Our objective is to prevent fires, and the most effective means of attaining this end is intensive educational work along practical forestry lines. This can best be carried on by the district forest wardens,

* Maintained jointly by Maryland and West Virginia.
** Maintained jointly by Maryland and Pennsylvania.

if they can be placed on a full-time basis, and an additional district created. Heading the forest protection organization is an assistant forester at the Baltimore office, in charge of the general administration of the service.

COOPERATION

Federal—Allotments from the Federal Government for forest protection under the Week's Law amount to $3,850 for both 1924 and 1925. This has been of very great help in supplementing our small state appropriation.

Interstate—The lookout tower at Quirauk, in Washington County near the Pennsylvania line and owned by the Western Maryland Railroad, is, through the courtesy of the Railroad Company, used jointly by Maryland and Pennsylvania for forest protection purposes. Maryland is also cooperating with West Virginia in the use of a fire tower close to the Maryland-West Virginia boundary.

The cordial cooperation with neighboring states, not only in maintaining towers, but in fighting forest fires along state boundaries, when neighboring wardens often assist each other, has been most successful.

State Conservation Commission—Through the cooperation of the State Game Warden, a notice has been printed on the back of hunting licenses, calling the attention of hunters to the danger of forest fires. In addition to this, many notices posted by the Game Department for the protection of game carry an effective forest protection message.

Railroads—One of the most advanced steps in preventing railroad fires was the enactment of the Railroad Safety Strip Law in the Legislative session of 1924. This law requires the railroad companies to clear of inflammable material, a strip 100 feet in width, measured from the outer rail, through forest and brush land, in places where the Forestry Department has notified them that fire hazards exist, and the necessary permits have been secured. A penalty of $5 per day, per mile, is provided in the law for failure to comply, upon order of the Forestry Department. The 100 foot strip generally extends beyond the right-of-way of

the railroad on private property, and when the owner will not voluntarily grant permission to the railroad to clear up the inflammable material, he may be required to do so himself.

The railroads have shown a splendid spirit of cooperation under this law, and comparatively little difficulty has been encountered in securing permits from private owners. Fire hazards have all been examined and listed in three classes—A, B, and C, depending upon their seriousness. During the first year only the most serious, or class C. hazards were required to be cleared, and during the second year class B hazards, so that it has not been possible to secure the full benefits of this method of preventing railroad fires. The results to date, however, are most gratifying, and the maintenance of these safety strips in a satisfactory condition will, it is confidently believed, reduce railroad fires at least 75 per cent.

TABLE OF FOREST FIRES BY SEASONS IN THE COUNTIES.

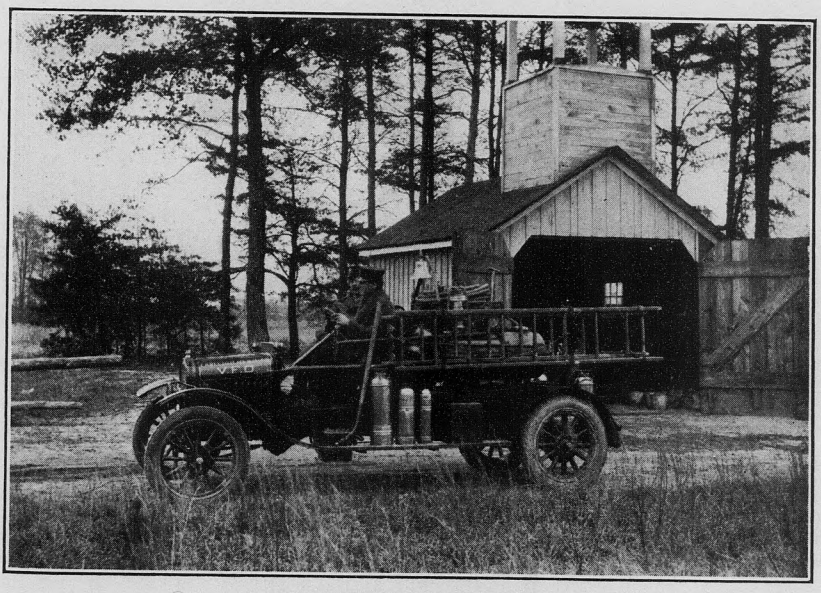
COUNTY	FALL, 1923 No. of Fires	Area	Damage	Cost	FALL, 1924 No. of Fires	Area	Damage	Cost
Allegany	8	110	$142.25	$47.95	46	4,795	$15,448.00	$593.18
Anne Arundel	4	48	7.50	19 80	7	24	92.25	39.60
Baltimore	1	2	6.00	5.50	8	748	577.00	22.50
Calvert								
Caroline								
Carroll					1	100	300.00	3.00
Cecil					8	2,259	10,230.00	
Charles	2	5	1.50	15.00	3	19	55.00	9.50
Dorchester	1	27	75.00	3.95				
Frederick	4	231	698.00	51.15	18	4,073	9,237.50	478.86
Garrett	7	124	197.50	47.50	47	8,271	16,608.50	898.40
Harford					2	3	6,020.00	4.25
Howard					5	10	76.20	9.50
Kent								
Montgomery	1	2	1.00		1	1	23.00	
Prince Georges	3	45	65.00	6.70	10	69	172.00	48.80
Queen Annes					1	200	1,000.00	
St. Marys	1	30	150.00	10.00				
Somerset								
Talbot	1	6	42.00					
Washington	5	88	228.00	45.15	17	1,513	2,185.00	266.97
Wicomico					1	20	208.00	10.50
Worcester	2	96	150.00	9.25	2	277	850.00	46.00
Total	40	814	$1,763.75	$261.95	177	22,382	$63,082.45	$2431.06

COUNTY	SPRING, 1924 No. of Fires	Area	Damage	Cost	SPRING, 1925 No. of Fires	Area	Damage	Cost
Allegany	4	115	$192.00	$45.00	58	9,091	$20,711.50	$969.55
Anne Arundel	25	858	1,096.90	178.65	41	4,172	34,496.25	442.75
Baltimore	2	35	175.00	1.50	25	501	1,562.75	21.50
Calvert					2	365	2,513.75	61.50
Caroline								
Carroll								
Cecil	2	800	3,500.00	16.25	30	1,490	7,232.70	191.70
Charles	1	50	750.00	2.75	8	376	3,770.00	87.85
Dorchester					2	25	550.00	
Frederick	8	164	620.50	84.85	19	921	2,993.00	308.89
Garrett	21	1,073	2,832.00	114.60	70	8,653	32,163.70	855.55
Harford	3	261	1,205.00	2.50	12	273	358.00	29.60
Howard	2	1	8.00	1.00	3	12	52.00	7.00
Kent								
Montgomery	2	18	151.50	10.00	12	179	2,776.50	83.45
Prince Georges	6	255	1,280.00	32.00	50	2,316	15,124.50	208.62
Queen Annes								
St. Marys	1	40	400.00	60.00	2	135	2,981.00	34.50
Somerset								
Talbot	3	6	65.00	6.40	4	177	4,873.00	46.28
Washington	8	95	522.00	74.65	25	795	1,463.50	218.65
Wicomico	3	410	655.00	32.45	14	1,601	13,850.00	408.30
Worcester	1	430	465.00	12.45	8	664	3,506.00	104.50
Total	92	4,611	$13,917.90	$675.05	385	31,746	$150,978.15	$4080.19

Plate IV Figure 1

FOREST FIRE
Fires such as this do great damage yearly to the forest cover.

Plate IV Figure 2



VOLUNTEER FIRE COMPANY
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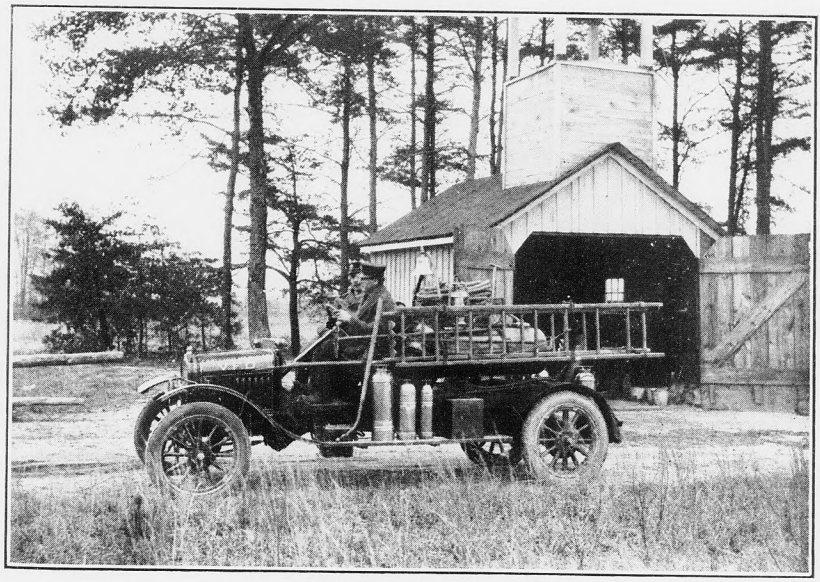
Queen Annes								
St. Marys	1	40	400.00	60.00	2	135	2,981.00	34.50
Somerset								
Talbot	3	6	65.00	6.40	4	177	4,873.00	46.28
Washington	8	95	522.00	74.65	25	795	1,463.50	218.65
Wicomico	3	410	655.00	32.45	14	1,601	13,850.00	408.30
Worcester	1	430	465.00	12.45	8	664	3,506.00	104.50
Total	92	4,611	$13,917.90	$675.05	385	31,746	$150,978.15	$4080.19

Plate IV Figure 1

FOREST FIRE
Fires such as this do great damage yearly to the forest cover.

Plate IV Figure 2



VOLUNTEER FIRE COMPANY
Many of these companies are materially assisting the Department in the suppression of forest fires.

TABLE OF FOREST FIRES BY YEARS IN THE COUNTIES.

COUNTY	No. of Fires		Acres Burned		Estimated Damage		Cost to Extinguish	
	1924	1925	1924	1925	1924	1925	1924	1925
Allegany	12	104	225	13,886	$334.25	$36,159.50	$92.95	$1,562.73
Anne Arundel	29	48	906	4,196	1,104.40	34,588.50	198.45	482.35
Baltimore	3	33	37	1,249	181.00	2,139.75	7.00	44.00
Calvert	.....	2	.....	365	.....	2,513.75	.....	61.50
Caroline	.....	.....	.....	.....	.....	.....	.....	.....
Carroll	.....	1	.....	100	.....	300.00	.....	3.00
Cecil	2	38	800	3,749	3,500.00	17,462.70	16.25	191.70
Charles	3	11	55	395	751.50	3,825.00	17.75	97.35
Dorchester	1	2	27	25	75.00	550.00	3.95	.....
Frederick	12	37	395	4,994	1,318.50	12,230.50	136.00	787.75
Garrett	28	117	1,197	16,924	3,029.50	48,772.20	162.10	1,753.95
Harford	3	14	261	276	1,205.00	6,378.00	2.50	33.85
Howard	2	8	1	22	8.00	128.20	1.00	16.50
Kent	.....	.....	.....	.....	.....	.....	.....	.....
Montgomery	3	13	20	180	152.50	2,799.50	10.00	83.45
Prince Georges	9	60	300	2,385	1,345.00	15,296.50	38.70	257.42
Queen Annes	.....	1	.....	200	.....	1,000.00	.....	.....
St. Marys	2	2	70	135	550.00	2,981.00	70.00	34.50
Somerset	.....	.....	.....	.....	.....	.....	.....	.....
Talbot	4	4	12	177	107.00	4,873.00	6.40	46.28
Washington	13	42	183	2,308	750.00	3,648.50	119.80	485.62
Wicomico	3	15	410	1,621	655.00	14,058.00	32.45	418.80
Worcester	3	10	526	941	615.00	4,356.00	21.70	150.50
Total	132	562	5,425	54,128	$15,681.65	$214,060.60	$937.00	$6,511.25

CAUSES OF FIRES BY COUNTIES.

COUNTY	Logging		Railroad		Br. Burning		Campers		Incendiary		Misc.		Unknown		Total	
	'24	'25	'24	'25	'24	'25	'24	'25	'24	'25	'24	'25	'24	'25	'24	'25
Allegany	....	....	1	22	1	9	6	23	3	22	1	7	....	21	12	104
Anne Arundel	1	....	....	2	7	10	11	21	1	1	2	3	7	11	29	48
Baltimore	....	....	....	5	....	6	2	9	....	1	....	....	1	12	3	33
Calvert	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	2
Caroline	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Carroll	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1
Cecil	....	....	....	19	....	6	....	6	....	3	....	2	2	2	2	38
Charles	....	....	2	1	....	3	1	3	....	1	....	....	....	3	3	11
Dochester	....	....	....	....	1	....	....	2	....	....	....	....	....	....	1	2
Frederick	....	....	....	1	1	2	4	10	2	10	1	5	4	9	12	37
Garrett	....	....	13	17	1	5	2	9	8	42	2	11	2	33	28	117
Harford	....	1	2	5	....	2	....	4	....	....	....	1	1	1	3	14
Howard	....	2	1	1	....	1	1	3	....	....	....	....	....	1	2	8
Kent	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Montgomery	....	....	2	1	....	4	....	2	....	....	....	1	1	4	2	13
Prince Georges	....	....	3	10	1	18	2	16	1	3	....	3	2	10	9	60
Queen Annes	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1
St. Marys	....	....	....	....	....	1	....	....	....	....	....	1	2	....	2	2
Somerset	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Talbot	....	....	1	....	2	1	1	2	....	....	....	1	....	....	4	4
Washington	1	....	2	8	1	3	2	8	2	11	3	2	2	10	13	42
Wicomico	....	....	....	....	....	6	2	2	....	1	....	3	1	3	3	15
Worcester	....	....	....	....	1	2	....	1	....	....	....	....	2	7	3	10
Total	2	3	27	93	16	82	34	121	17	95	9	40	27	127	132	562
P. C. Total	1	1	20	16	12	14	26	22	13	17	7	7	21	23	100	100

NUMBERS AND PERCENTAGE OF FIRES BY FOREST REGIONS.

	1924		1925	
	No.	Per Cent.	No.	Per Cent.
Western Maryland—Allegany, Frederick, Garrett and Washington	65	49	300	53
Southern Maryland—Anne Arundel, Calvert, Charles, Montgomery, Prince Georges and St. Marys	46	35	136	24
Piedmont Plateau—Baltimore, Carroll, Cecil, Harford and Howard	10	07½	94	17
Eastern Shore—Caroline, Dorchester, Kent, Queen Annes, Somerset, Talbot, Wicomico and Worcester	11	08½	32	06
Total	132	100	562	100

FINANCIAL STATEMENT.

1924

Balance, October 1, 1923		$ 23.37
Receipts (October 1, 1923 to September 30, 1924):		
State Treasurer	$31,358.35	
Woodlot Work (Travel)	347.10	
Reimbursement—Fire Expenses	621.06	
Other Sources	480.17	
	$32,806.68	
Interest, F. & M. National Bank	34.12	
		32,840.80
Expenditures (October 1, 1923 to September 30, 1924):		
Salaries and Wages	$21,771.06	
Rent	1,200.00	
Postage	400.00	
Office Supplies and Stationery	529.51	
Printing	876.15	
Office Expenses	150.00	
Telegraph and Telephone	398.38	
Office Equipment	300.00	
Traveling Expenses	2,132.55	
Freight and Express	75.00	
Seeds and Trees	754.00	
Maintenance of Two Autos	1,652.03	
Field Equipment	1,547.39	
Receipts to Treasurer	1,721.52	
		33,507.59
Deficit, September 30, 1924		$ 643.42

(This deficit is covered by funds to the credit of the Forestry Department held by the State Treasurer.)

FINANCIAL STATEMENT.

1925

Deficit, October 1, 1924		$ 643.42
Receipts (October 1, 1924 to September 30, 1925):		
State Treasurer	$38,917.64	
Woodlot Work (Travel)	156.67	
Reimbursement—Fire Expenses	1,388.25	
Other Sources	47.16	
	$40,509.72	
Interest, F. & M. National Bank	58.49	
		40,568.21
Expenditures (October 1, 1924 to September 30, 1925):		
Salaries and Wages	$25,645.51	
Repairs to Buildings, Garrett Forest	100.00	
Repairs to Buildings, Patapsco Forest	200.00	
Repairs to Motor Vehicles	200.00	
Traveling	2,501.55	
Freight and Express	110.00	
Postage	807.26	
Office Supplies	672.90	
Printing	760.92	
Seeds and Trees	782.90	
Motor Supplies	125.00	
Office Equipment	65.34	
Field Equipment	740.21	
Rent	1,200.00	
Maintenance of Automobiles	1,300.00	
Receipts to Treasurer	1,973.23	
		37,184.82
Excess Receipts over Disbursements		$ 3,383.39
Deficit October 1, 1924		643.42
Balance, September 30, 1925		$ 2,739.97

Samuel Corbin

The Department records with deep regret the death of Samuel Corbin, Assistant Forester, on February 25, 1924.

His tragic death occurred while conducting a forest planting demonstration near Snow Hill in Worcester County, in the presence of a large group of farmers. A slight heart affection of several years' standing, aggravated by weeks of strenuous work under trying conditions, brought on the fatal attack without warning. His amiable qualities, cheerful disposition, and enthusiasm in his work, endeared him to all who knew him.

Mr. Corbin graduated from Pennsylvania State College with the degree of Bachelor of Forestry in 1917 and was also a graduate of the Yale Forest School from which he received his master's degree in 1920. He had been Assistant Forester in Maryland since 1921, and had shown marked ability in securing the cooperation of woodland owners in the practice of forestry. His untimely death is a distinct loss to the State.

APPENDIX

TREE WARDENS.

(Forest Wardens Assigned to Tree Work.)

ALLEGANY COUNTY.

Name	Location	Address	Telephone
Armstrong, Robt.	8 W. Loo St.	Frostburg	Call Frostburg 220 M
Carter, L. B.	Lavale	Cumberland	Cumberland 1843 R

ANNE ARUNDEL COUNTY.

Best, Hezekiah	Birdsville	Harwood	West River 203 F 11

BALTIMORE CITY.

Chenworth, W. B.	3213 Elmly Ave	Baltimore, Md.	Wolfe 7283 J
Garis, C. E.	3802 Barrington Rd.	Baltimore	Forest 8302 W
Prince, W. A.	3634 Old York Rd.	Baltimore	Call Homewood 3470 W
Stansbury, E. O.	Falls Road	Mt. Washington	Tuxedo 1115 W
Stricker, W. T.	2661 Wilkens Ave.	Baltimore	Gilmor 2573 J

BALTIMORE COUNTY.

Brown, C. G. G.	Oella	Ellicott City	Call Ellicott City 395 J
Peddicord, John	Oella	Ellicott City	Call Ellicott City 122
Stude, W. G.	Beaumont Ave.	Catonsville	Catonsville 191
Tovell, Chas. B.	Reisterstown	Reisterstown	Reisterstown 77 M

CARROLL COUNTY.

Hoffman, J. F.	Westminster	Westminster	Westminster 66 J
Stem, Jesse F.	Westminster	Westminster	Call Westminster 34 R

CECIL COUNTY.

Austin, C. J.	Elkton	Elkton R.F.D. 1	———
Balderston, L. H.	Colora	Colora	Rising Sun 43 H
Evans, Standley	Elkton	Elkton	Elkton 185
Puschell, Charles	North East	North East	Call North East 45 F 2
Strahorn, H. W.	Fair Hill	Elkton, R. D. 5	Elkton 208 F 2

DORCHESTER COUNTY.

Andrews, S. E.	Academy	Hurlock	Hurlock 65

FREDERICK COUNTY.

Huffer, Roy A.	Frederick	Frederick R 5	Frederick 1854 F 5
Klein, C. Cyril	Braddock Hgts.	Frederick	Braddock 13 F 3
Klein, Charles E.	Frederick	Frederick	Frederick 1854 F 2

GARRETT COUNTY.

Bowman, L.	Oakland	Oakland	Call Oakland 138 M
Cuppett, E. C.	Loch Lyn	Mt. Lake Park	Call Oakland 61 M Bell

HARFORD COUNTY.

Name	Location	Address	Telephone
Hill, John C.	N. W. Dublin	Darlington R.F.D. 2.	Call Darlington 6 F 4
Johnson, R. K.	Joppa	Joppa	Call Wilna 4 F 12
Magness, H. S.	Wheel	Bel Air	Bel Air 810 F 11
Magness S. S.	Fallston, R. D.	Fallston, R. D.	Bel Air 810 F 31

HOWARD COUNTY.

Clarke, G. M.	Clarksville	Clarksville	Ellicott City 88 F 11
Prince, E. G.	Ilchester	Ilchester	Catonsville 544 J

KENT COUNTY.

McClary, C. D.	Chestertown	Chestertown	———

MONTGOMERY COUNTY.

Gottlieb, Wm. H.	21 Quincy St.	Chevy Chase, Md.	Cleveland 127
Hughes, B. C.	Rockville	Rockville	———
O'Donnell, H. F.	Silver Spring	Silver Spring	Woodside 39 R 2

PRINCE GEORGES COUNTY

Easterday, O. H.	Brentwood	Brentwood	Hyattsville 392 M

QUEEN ANNES COUNTY

Voshell, W. S.	Centerville	Centerville	———

ST. MARYS COUNTY

Clements, C. R.	Leonardtown	Leonardtown	Call Leonardtown 53 W
Jones, Harry M.	Leonardtown	Leonardtown	Leonardtown 2 R

TALBOT COUNTY.

Howeth, Wm. F.	Wittman	Wittman	St. Michaels 68 F 3

WASHINGTON COUNTY.

Detrow, Samuel	118 E. North Ave.	Hagerstown	———
Frownfelter, S. D.	101 E. Balto. St.	Hagerstown	———

WICOMICO COUNTY.

Allen, F. W.	Salisbury	Salisbury	Salisbury 724 W

WORCESTER COUNTY.

Babcock, D. W.	Berlin	Berlin	———
Perdue, A. M.	Colbourne	Snow Hill, R. R. 2.	Snow Hill 44 F 11

FOREST WARDENS.

* Wardens with Registered Crews. † Patrolman on State Forests. ‡ Lookout Watchman.

ALLEGANY COUNTY.

Name	Location	Address	Telephone
Alderton, Mahlon	Picardy, Md.	Picardy, Md.	Call Cumberland 4020 F 2
Barnes, Perry	Town Hill	Flintstone, Md.	Call Cumberland 4026 F 22
Barton, G. M.	S. Side Dan's Mt.	Pinto, Md.	Cumberland 4036 F 21
Beeler, W. L.	South Martin's Mt.	Spring Gap, Md.	Cumberland 4013 F 31
Blubaugh, A. F.	Warrior Mountain	Oldtown, Md.	Call Cumberland 4009 F 14
Blubaugh, J. W.	Loartown	Vale Summit, Md.	———
Bridges, A. J.	Sunny Side	Mt. Savage, Md.	Mt. Savage 2 F 4
*Bodkin, Brook	1 Mi. S.High Rock	Keyser, W. Va.	McCool 800 F 3
*Burkey, Thomas	Corriganville	Cumberland, Md.	Cumberland 938 J or 4021 F 13
*Davis, Frank B.	Pratt	Flintstone, Md.	Cumberland 4005 F 2
Dean, I. S.	Oldtown, Md.	Oldtown, Md.	Call Cumberland 4009 F 6
Degen, C. G.	Warrior Mt. Orch.	Oldtown, Md.	Cumberland 4009 F 13
Drake, C. E.	W. of Evitts Mt. nr. Union Grove	Cumberland, Md.	Call Cumberland 4091 F 3
Fazenbaker, H. H.	Lonaconing, Md.	Lonaconing, Md.	Call Lonaconing 117 R
Fletcher, C. A.	Piney Grove	Little Orleans, Md.	Cumberland 4026 F 3
*Grabenstein, E. F.	Winchester Bridge	Cumberland, Md.	Cumberland 4016 F 4
Gross, M. L.	Martin's Mt.	Flintstone, Md.	Cumberland 4011 F 14
Hartley, Wm. M.	White Oak Flats	Oldtown, Md.	———
*Helmstetter, J. J.	Cash Valley	Cumberland, Md.	Cumberland 4037 F 2
James, Joseph A.	Frostburg, Md.	Frostburg, Md.	Call Frostburg 107 J
*Lambert, L. C.	Nr. W. M. R. R. & lr. end Stoney Run	Westernport, Md.	Call Piedmont 241 J
*Llewellyn, C. E.	Midland, Md.	Midland, Md.	Lonaconing 800 F 3
*Llewellyn, Perry	Barton, Md.	Barton, Md.	Call Lonaconing 807 F 13
Llewellyn, H. P.	Dan's Mountain	Barton, Md.	———
Lough, W. P.	N. E. Gilpin	Flintstone, Md.	Call Cumberland 4005 F 11
McCabe, Michael	Green Ridge	Little Orleans, Md.	———
McCusker, E. C.	Little Orleans, Md.	Little Orleans, Md.	———
McElfish, D. D.	Shriver Ridge	Cumberland, Md.	Call Cumberland 4015 F 12
Malcolm, J. H.	Town Hill	Paw Paw, W. Va.	———
*Morgan, James A.	Midlothian, Md.	Midlothian, Md.	Frostburg 803 F. 13
Morton, James	Frostburg, Md.	Frostburg, Md.	Frostburg 230
Robinette, F. W.	S. Centerville	Cumberland, Md.	Call Cumberland 2080 J
Sheetz, Conrad	Warrior Mt.	Oldtown, Md.	Call Oldtown 4009 F 12
Stubbs, R. H.	Warrior Mt.	Cumberland, Md.	Call Cumberland 4009 F 13
Wagus, Adolph	Midland, Md.	Midland, Md.	Lonaconing 804 F 13
Weir, Walter	Lonaconing, Md.	Lonaconing, Md.	Call Avilton 7 F 2
Wentling, B. A.	Nicholas Mt.	Cumberland, Md.	Call Cumberland 4004 F 22

ANNE ARUNDEL COUNTY.

Name	Location	Address	Telephone
Davenport, R. J.	Herald Harbor	Waterbury, Md.	———
Dogge, A. H.	State Rifle Range	Glenburnie, Md.	Glenburnie 41
Fleischmann, A.	Griffith's Mill	Odenton, Md.	———
Fraebel, Edw.	Oakwood	Glenburnie, Md.	Call Glenburnie 41
Giddings, Reg'ld.	Gibson Island	Pasadena, Md.	Armiger 24 F 13
Jenkins, L. P.	Rock Point	Pasadena, Md.	Call Armiger 21 F 4
Johnson, Thos. W.	Solley	Glenburnie, Md.	Call Armiger 4 F 2
Lotze, G. A.	Long Hill	Glenburnie, Md.	Armiger 2 F 4
Maynard, J. L.	Gambrills, Md.	Gambrills, Md.	Annapolis 1804 F 21
Moog, W. H.	Jones	Earleigh Hgts., Md.	Call Annapolis 1811 F 11
Overholser, Ora	Gambrills, Md.	Gambrills, Md.	Annapolis 1804 F 4
Ruth, Ernest G.	Lake Shore	Pasadena, Md.	Armiger 19 F 2
Shepherd, John	Bristol, Md.	Bristol, Md.	West River 26 F 11
*Shiroky, Jos. C.	Piney Grove Sch Hs.	Earleigh Hgts., Md.	Call Armiger 9 F 11
Stewart, Jos. A.	Severna Park	Boone, Md.	Severna 39 J
Yockel, Edward	Benfield	Millersville, Md.	Call Glenburnie 23 F 11

BALTIMORE COUNTY.

Boring, Vol. F. Co.	Boring	Boring, Md.	———
Brown, C. G. G.	Oella	Ellicott City, Md.	Call Ellicott City 395 J
Cooney, Frank	Thistle	Ilchester, Md.	———
Fischer, F. B.	Poplar	Bengies, Md.	Essex 53 F2 or Plaza 3652
Harris, Walter R.	Glyndon, Md.	Glyndon, Md.	Reisterstown 114 M
Moore, Daniel W.	Ellicott City, Md.	Ellicott City, Md.	Call Ellicott City 286 M
Pearce, John H.	Monkton, Md.	Monkton, Md.	Cockeysville 101 F 12
*Peddicord, John	Oella	Ellicott City, Md.	Call Ellicott City 122
†Prince, E. G.	Ilchester, Md.	Ilchester, Md.	Catonsville 544 J
Shipley, Roger E.	Timonium, Md.	Timonium, Md.	Towson 363 W
†Sills, John Wm.	1014 Cathedral St.	Baltimore, Md.	Vernon 7008

CALVERT COUNTY.

Armiger, G. E.	Lr. Marlboro, Md.	Lr. Marlboro, Md.	Call Prince Fred. 15 F 13
Gibson, Arthur P.	E. of Huntingtown	Huntingtown, Md.	Prince Frederick 42 F 14
Gibson, Lloyd B.	Huntingtown, Md.	Huntingtown, Md.	Call Prince Fred. 15-24
Jones, James S.	Dunkirk, Md.	Dunkirk, Md.	Prince Frederick 14 F 3
Owings, Claude I.	Owings, Md.	Owings, Md.	Call Prince Fred. 15 F 11
Tydings, Lloyd A.	E. of State Rd.	St. Leonard, Md.	Prince Frederick 28-12
Ward, J. Horace	Mt. Harmony Sta.	Paris, Md.	———
Williams, John S.	Port Republic	Mutual, Md.	Prince Frederick 3 F 21

CARROLL COUNTY.

Flickinger, J. W.	Union Mills	Westminster, Md.	———

CECIL COUNTY.

Name	Location	Address	Telephone
Austin, C. J.	Elkton, Md.	Elkton, Md.	———
Balderston, L. H.	Colora, Md.	Colora, Md.	Rising Sun 43 H
Blake, J. Frank	Childs, Md.	Childs, Md.	Elkton 218 F 5
Futty, John	Elk Neck	North East, Md.	North East 52 F 2
Lansdale, J. S.	Back Creek Mill	Chesapeake City Md.	Chesapeake City 61 F 2
Puschell, Chas.	North East, Md.	North East, Md.	Call North East 45 F 2
Rawson, Geo. C.	North East, Md.	North East, Md.	North East 81
Virgin, J. Fredrik	105 Bridge St.	Elkton, Md.	Elkton 312
*Walter, H. A.	Upper Elk Neck	Elkton, Md.	Call Elkton 216 F 12
*Williams, Wallace	Brantwood Farms	Elkton, Md.	Elkton 214 F 4

CHARLES COUNTY.

Bailey, J. Read	Wicomico, Md.	Wicomico, Md.	La Plata 14 F 12
Bealle, Chas. R.	Bolton	Waldorf, Md.	———
Burch, Jesse C.	Waldorf, Md.	Waldorf, Md.	Call Brandywine 10 F 13
Chapman, John G.	Newtown	Spring Hill, Md.	———
Compton, B. B.	Pisgah, Md.	Pisgah, Md.	———
Cooksey, Wm. A.	Newtown	Spring Hill, Md.	———
Cramer, C. H.	Faulkner, Md.	Faulkner, Md.	La Plata, 14 F 13
Davis, Bradford	Hill Top, Md.	Hill Top, Md.	———
Frere, Chas. P.	Tompkinsville, Md.	Tompkinsville, Md.	La Plata, 27 F 12
Huntt, William	Mattawoman	Waldorf, Md.	Brandywine 30 F 2
Linton, S. C.	Holly Springs Fm.	Riverside, Md.	———
Murphy, Robert	Pomonkey, Md.	Pomonkey, Md.	Call Brandywine 15 F 4
O'Keeffe, Robert	Waldorf, Md.	Waldorf, Md.	Call Brandywine 10 F 22
Roberts, W. A.	Bryantown, Md.	Bryantown, Md.	———
*Roby, S. D.	S. of White Plains	White Plains, Md.	La Plata 19 F 3
Shaw, F. A.	Pomfret, Md.	Pomfret, Md.	———
Swann, R. Smith	Port Tobacco, Md.	Port Tobacco, Md.	———
Tolla, Nicholas	Patuxent City	Hughesville, Md.	———
Turner, T. Spenc.	2 mi. E. Malcolm	Malcolm, Md.	Call Brandywine 17 F 32

FREDERICK COUNTY.

*Andrews, R. C.	Eyler Valley	Emmitsburg, Md.	———
Benner, Wm. H.	Catoctin Furnace	Thurmont, Md.	Thurmont 44 F 21
Bussard, S. P.	1 mi. S. W. Station	Lantz, Md.	Smithsburg 37 F 22
Carroll, Wm.	Mt. St. Mary's Col.	Emmitsburg, Md.	Emmitsburg 9
Delauter, James	Sands Flat	Smithsburg, R.F.D.	———
*Easterday, A. J.	Wolfsville	Myersville, Md.	Myersville 22 F 3
Feaga, Elmer B.	Indian Springs	Frederick, Md.	Call Frederick 855 F 4
Funk, C. F. W.	Nr. Park Mills	Adamstown, Md.	Call Buckeystown 43-4
Gaver, Chas. R.	Highland	Myersville, Md.	Call Myersville 30 F 13
Hauver, A. L.	Foxville	Lantz, Md.	Call Smithsburg 11 F 14
Hoffman, L. N.	Doubs, Md.	Doubs, Md.	Buckeystown 47-13
Kelly, John	E. Mountaindale	Lewistown, Md.	Call Frederick 1840 F 32

FREDERICK COUNTY—(Continued)

Name	Location	Address	Telephone
*Klein, C. Cyril	Braddock Heights	Frederick, Md.	Braddock 13 F 3
*Lewis, Levin T.	Middlepoint	Smithsburg, Md.	Myersville 25 F 13
Lovell, J. F.	Garfield	Smithsburg, Md.	Smithsburg 11 F 21
McBride, A. M.	Locust Valley	Middletown, Md.	Call Middletown 59 F 22
Miller, L. D.	Bolivar	Middletown, Md.	Call Middletown 44 F 4
*Moss, Sylvester	Mountaindale	Frederick, Md.	Frederick 1830 F 31
Munk, Wm. P.	Shockstown	Frederick, Md.	Call Frederick 1822 F 23
Poole, C. E.	Barnesville, Md.	Barnesville, Md.	Buckeystown 52-11
Recher, John L.	Thurmont, Md.	Thurmont, Md.	Call Thurmont 49 J
*Wallace, J. J.	Burkittsville, Md.	Burkittsville, Md.	Brunswick 130-22
*Willard, G. A.	Catoctin Furn. Cr.	Smithsburg, Md.	———

GARRETT COUNTY.

Arnold, Silas	Dobbin	Gormania, W. Va.	———
Barnard, E. A.	Swanton, Md.	Swanton, Md.	———
*Barnard, W. H.	Chestnut Hill	Bloomington, Md.	———
Beachy, E. A.	Grantsville, Md.	Grantsville, Md.	Call Keyser Ridge Mut.
Beachy, E. J.	Grantsville, Md.	Grantsville, Md.	Grantsville Mutual 3 long 1 short
Biggs, J. W.	Wilson, W. Va.	Gormania, W. Va.	Aiglon Mut. Arn. Switch
Bittinger, H.	Meadow Mountain	Swanton, Md.	Bittinger Mut. 2 lg, 1 sh.
‡Bowman, S. L.	Thayerville	McHenry, Md.	Oakland 55 3
Bray, L. C.	Kitzmiller, Md.	Kitzmiller, Md.	———
Broadwater, G. W.	1½ mi. S. of P. O.	New Germany, Md.	———
Dietrich, Mahlon	Friendsville, Md.	Friendsville, Md.	———
Durst, Harvey	Bevansville	Jennings, Md.	———
Ferguson, W. H.	Elder Hill	Friendsville, Md.	Call Oakland 113 F 22
Folk, Chris. J.	Keyser Ridge	Accident, Md.	———
Fresh, David	Negro Mountain	Bittinger, Md.	Mutual Telephone Co.
*Friend, J. G.	Swanton, Md.	Swanton, Md.	———
Friend, S. E.	Winding Ridge	Friendsville, Md.	Call Oakland 113 F 14
Glodfelty, J. C.	Rock Lodge	McHenry, Md.	Oakland 55
‡Green, F. M.	Bittinger	Swanton, Md.	Bittinger Mut 3 long ring
Hartman, John A.	3 mi. S.E. Accident	Accident, Md.	Accident-Bitt. Mut. Co.
Harvey, A. Scott	Short Run	Kitzmiller	Call Kitzmiller 11
Harvey, T. R.	Eagle Rock, Md.	Deer Park, Md.	Kitzmiller Mutual
Harvey, Wesley	Fairview	Gormania, W. Va.	Aiglon Mut. W. Va. 111
Herman, John W.	Swanton, Md.	Swanton, Md.	———
*Herman, Jos. H.	Near Barnum	Barnum, W. Va.	———
James, Jos. A.	Frostburg, Md.	Frostburg, Md.	———
Knox, C. H.	Vindex, Md.	Vindex, Md.	———
Lowdermilk, J. M.	Ashers Glade	Selbysport, Md.	Markleysburg, 4 long ring
Mellott, M. G.	Hutton, Md.	Hutton, Md.	Oakland 147 F 2
Merrill, John A.	Merrill, Md.	Merrill, Md.	Avilton Mutual
*Michael, Peter F.	Big Savage	Barton, Md.	———

GARRETT COUNTY—(Continued)

Name	Location	Address	Telephone
Morgan, James A.	Midlothian, Md.	Midlothian, Md.	Frostburg 803 F 13
Robeson, Enoch O.	Avilton	Lonaconing, Md.	Avilton Mutual 1 long 3 short 1 long
Rounds, Floyd C.	Merrill	Lonaconing, Md.	———
Ryman, M. K.	Jennings, Md.	Jennings, Md.	Bittinger Mutual
Savage, Sher. G.	Sang Run, Md.	Sang Run, Md.	———
Sharpless, D.	Allegany Heights	Mt. Lake Park, Md.	Oakland 33 F 42
Sims, Jas. H.	Swanton, Md.	Swanton, Md.	———
Sims, Ray. A.	Sunny Side	Oakland, Md.	Aiglon Mutual
†Sines, A. L.	Herrington Manor	Oakland, Md.	Oakland 164 F 2
Sines, Elijah	District No. 2	Friendsville, Md.	———
Sines, Jonas W.	Swallow Falls	Oakland, Md.	Oakland 164 F 21
Sisler, Daniel	White Rock	Friendsville, Md.	Farmers line 2 long 2 shrt
Sloan, G. E.	Deep Creek	McHenry, Md.	Mut Tel Accident Switch
Soelter, Ernest	Deer Park, Md.	Deer Park, Md.	———
Steyer, W. T.	Steyer, Md.	Steyer, Md.	Oakland 65 F 31
*Tasker, Michael	Tasker's Corners	Deer Park, Md.	Oakland 48 F 12
Teets, Earl F.	Lake Ford	Cranesville, W. Va.	Terra Alta 74 F 12
*Tichnell, Delbert	Bloomington, Md.	Bloomington, Md.	———
*Tichnell, G. W.	Mt. Zion Church	Swanton, Md.	———
Uphold, W. M.	White Rock	Friendsville, Md.	———
Wilson, D. W.	Wilson, W. Va.	Wilson, W. Va.	———

HARFORD COUNTY.

Greenwood, H. C.	Rocks, Md.	Rocks, Md.	Cardiff 30 R 13
Hill, John C.	N. W. of Dublin	Darlington, Md.	Call Darlington 6 F 4
Johnson, R. K.	Joppa, Md.	Joppa, Md.	Wilna 4 F 12
McComas, C. Jr.	Singer	Joppa, Md.	Wilna 7 F 12
Wilson, Josias	Kalmia	Bel Air, Md.	Call Bel Air 800 F 11

HOWARD COUNTY.

Hanson, Leroy R.	Ellicott City, Md.	Ellicott City, Md.	Ellicott City 249 W
Ledbetter, W. S.	Chestnut Hill	Ellicott City, Md.	Ellicott City 249 R
Nichols, T. Guy	Highland	Brookville, Md.	Ellicott City 43 F 2
*Peddicord, John	Oella	Ellicott City, Md.	Ellicott City 122
*†Prince, E. G.	Ilchester, Md.	Ilchester, Md.	Catonsville 544 J

KENT COUNTY.

Hoopes, R. D.	Fairlee Creek	Worton, Md.	Chestertown 817 F 12
Massey, E. T.	Massey, Md.	Massey, Md.	Millington 33 F 22

MONTGOMERY COUNTY.

Name	Location	Address	Telephone
Bender, Vic. H.	Silver Spring, Md.	Silver Spring, Md.	Woodside 27 J
Brooks, W. A.	Cropley, Md.	Cropley, Md.	
Etchison, J. M.	Gaithersburg, Md.	Gaithersburg, Md.	Gaithersburg 37 J
Farquhar, A. D.	Sandy Spring, Md.	Sandy Spring, Md.	Sandy Spring 7 M
Iverson, M. F.	817 Flower Ave.	Takoma Park, D. C.	
Raney, E. J. C.	Kensington, Md.	Kensington, Md.	Kensington 156
Ruble, E. K.	Poolesville, Md.	Poolesville, Md.	Poolesville 8 F 13
Thomas, A. M.	Sugar Loaf Mt.	Dickerson, Md.	Buckeystown 48 F 5
Ward, J. H.	Rockville, Md.	Rockville, Md.	Rockville 46 J
Waters, R. K.	Germantown, Md.	Germantown, Md.	Gaithersburg 24 F 31
Wilson, W. V.	Rockville, Md.	Rockville, Md.	Rockville 126

PRINCE GEORGES COUNTY

Adams, Henry S.	61st & Central Ave.	Capitol Hgts., Md.	Call Hyattsville 808 F 21
Benton, W. H.	23 Columbia Ave.	Hyattsville, Md.	Call Hyattsville 25 W
Bewley, G. P.	Berwyn, Md.	Berwyn, Md.	
Brady, H. B.	Aquasco, Md.	Aquasco, Md.	Brandywine 12 F 3
Gross, Albert	North Keys	Croom, Md.	Brandywine 27-15
Friedrich, F. T.	E. Riverdale	Lanham, Md.	Call Hyattsville 311 W
Gray, Wm. C.	Riverdale, Md.	Riverdale, Md.	Call Hyattsville 34 R
Johnson, A. L.	Branchville, Md.	Branchville, Md.	Berwyn 105
King, Robert A.	Hyattsville, Md.	Hyattsville, Md.	Hyattsville 243
Lammers, Geo.	Bet. Laurel & Springfield	Laurel, Md.	Laurel 153 F 3
Morgan, Al. W.	Seat Pleasant, D. C.	Seat Pleas., D. C.	Call 6240 Main
Perkins, Edw. E.	Springfield, Md.	Springfield, Md.	Call Bowie 29 W
Pyle, J. B.	Negro Ref. Schl.	Cheltenham, Md.	Brandywine 33
Randall, D. E.	Forestville	Upper Marlboro, Md.	Marlboro 44 F 4
Rockwell, C. H.	State Nursery	College Park, Md.	
Scott, T. Weston	Cottage City	Brentwood, Md.	Hyattsville 189 R
Snowden, John	Duval Bridge	Laurel, Md.	
Taylor, W. P.	Friendly	Anacostia, D. C.	Marlboro 39 F 22
Taylor, Jas. A.	Tippett, Md.	Tippett, Md.	
Ward, Grover C.	Friendley	Washington, D. C.	Call Marlboro 39 F 22
Wiseman, Geo. G.	Bladensburg, Md.	Bladensburg, Md.	Call Hyattsville 441 J
Underwood, M. L.	Nr. Sharpsville	Waldorf, Md.	Brandywine 16 F 15

ST. MARYS COUNTY

Curry, John R.	Harpers Corner	Helen, Md.	
Davis, Jos. L.	Charlotte Hall, Md.	Charlotte Hall, Md.	Mechanicsville 33 F 12
King, Dr. J. O.	Ridge, Md.	Ridge, Md.	Great Mills 4 F 4
Long, J. B.	Hillsville	Hollywood, Md.	Leonardtown 31 F 23
McKay, J. R.	Valley Lee, Md.	Valley Lee, Md.	Call Leonardtown 33 J
Miles, J. Neale	Pearsons, Md.	Pearsons, Md.	Great Mills 8-32

TALBOT COUNTY.

Name	Location	Address	Telephone
Howeth, Wm. F.	Wittman, Md.	Wittman, Md.	St. Michaels 68 F 3
Swaine, John	Bellevue	Royal Oak, Md.	Call Royal Oak 62 F 4

WASHINGTON COUNTY.

*Brunner, Chas. D.	Pondsville	Smithsburg, Md.	Call Smithsburg 6 F 12
*Coulter, M. S.	Yarrowsburg	Weverton, Md.	Call Keedysville 9 F 12
Creek, Aubrey	Forest Park	Hancock, Md.	———
Exline, B. Hayes	Exline	Hancock, Md.	Hancock 2 F 4
*Faulder, C. H.	Smoketown	Boonsboro, Md.	Hagerstown 4091 F 22
Frownfelter, S. D.	101 E. Balto. St.	Hagerstown, Md.	———
*Fulton, A. J.			
Smith, Elmer Acting Warden	Millstone, Md.	Millstone, Md.	Hancock 33 F 11
Gehr, Raymond	Mt. Carmel	Big Pool, Md.	Call Big Pool 10 F 14
*Hull, B. Z.	Moorsville	Big Pool, Md.	———
*Johnson, Roy	Indian Springs	Big Pool, Md.	Call Clearspring 40 F 3
*Keller, James R.	Dargan	Harp. Ferry, W. Va.	Keedysville 42 F 2
Kendall, Vernon	Euclid	Lantz, Md.	Call Smithsburg 44-13
McClain, L. C.	Edgemont, Md.	Edgemont, Md.	Call Smithsburg 26 F 11 or 26 F 13
†Mann, G. C.	Fort Frederick	Big Pool, Md.	Call Clearspring 10 F 6
Nave, J. W.	Mt. Briar	Keedysville, Md.	Call Keedysville 30 F 4
Norris, George	Sideling Hill Mt.	Hancock, Md.	Call Hancock 2 F 5
Smith, Chas. L.	Clearspring, Md.	Clearspring, Md.	Call Clearspring 43 F 3
Sowers, M. L.	Ft. Hearthstone Mt.	Big Pool, Md.	———
Steele, Wm. E.	Blair's Valley	Clearspring, Md.	Call Clearspring 21-3

WICOMICO COUNTY.

Adkins, J. Gaylon	Ocean City Rd.	Salisbury, Md.	Call Salisbury 1803 F 5
*Holloway, D. J.	Shauvonx	Parsonsburg, Md.	Call Salisbury 1851 F 21
*Jones, John W. Jr.	E. of Salisbury	Salisbury, Md.	Call Salisbury 1812 F 22

WORCESTER COUNTY.

*Perdue, E. W.	Snow Hill, Md.	Snow Hill, Md.	Snow Hill 44 F 11
Shockley, John M.	St. Lukes	Eden, Md.	Call Salisbury 1844 F 21

WOODLAND EXAMINATIONS.

The Forestry Department in promoting the practice of forestry by private owners will, upon application, furnish without charge, the service of an expert forester to examine woodlands and prepare plans of management best suited to the individual tract. That this service is appreciated is attested by the increasing number of applications for assistance. Below is listed the tracts examined and plans of management prepared during the past two years.

Date	Owner	Address	Location	No. Acres
1923				
Oct. 1	Busch, R	Shelltown	Shelltown	20
" 4	Johnson, W. Lee	Salisbury	5 mi. from Salisbury	14
" 4	Dryden, M. R.	Salisbury	4 mi. from Salisbury	8
" 4	Rayner, H. T.	Salisbury	1 mi. east of Mt. Herman	50
" 5	Truitt, G. W.	Salisbury	On Willard Powellville Rd.	10
Nov. 1	Hutchins, S. C.	Friendship	1½ mi. from Drum Point	100
" 20	Corbin, Guy	Snow Hill	Corbin	30
" 26	Warner, E. T.	Girdletree	Bet. Snow Hill and Girdletree	30
" 6	Snowden, J.	Laurel	Laurel	125
" 10	McKnett, Mrs. Mary	Easton	Princeville	60
" 10	Griffith Bros. Co.	Easton	Trappe	30
" 11	Knight, E. W.	Philadelphia	Below Trappe	25
" 17	Watkins, W. L.	Princess Anne	2 mi. N. W. Princess Anne	50
" 17	Smith, W. G.	Princess Anne	4 mi. N. W. Princess Anne	35
" 17	Dryden, Chas.	Princess Anne	3 mi. S. E. Princess Anne	90
" 17	Nutter, S. J.	Westover	Near Costen Station	30
" 18	Chaffey, J. G.	Marion	Near Parsonsville	35
" 18	Whittington, A. A.	Marion	Marion	17
" 18	Whittington, A.	Marion	Marion	30
" 18	Coburn, E. W.	Marion	Marion	30
" 18	Johns, W. T.	Westover	Westover	60
" 19	Reese, Rev.	Mardela Springs.	Mardela Springs	10
" 19	Dryden, M. K.	Salisbury	4 mi. N. W. Salisbury	8
" 20	Austin, C. J.	Elkton	2 mi. from Elkton	8
" 20	Stand. Lime & Stone Co.	Baltimore	Maryland Heights	117
1924				
Jan. 8	Sattler, G. W.	Monkton	Corbett	10
" 15	Parker, S. A.	Baltimore	Brooklandwood	50
" 21	Carr, H. H.	Lothian	Lothian	10
" 29	Johnson, R. K.	Joppa	Joppa	30
Feb. 2	Alburtis, Mrs. S.	Washington	St. Leonard's	20
April 10	Brigham, Reuben	Ashton	Ashton	60

WOODLAND EXAMINATIONS—Continued.

1924 Date		Owner	Address	Location	No. Acres
June	7	Sullivan, Jas. D.	Washington	Columbia Pike nr. Washington	94
"	11	Wasbers, Henry	York, Pa.	Gunpowder River	1169
"	13	Gary, James & Son	Baltimore	Alberton	400
July	23	Slye, Mrs. M.	Baltimore	Benedict	100
"	28	Franklin, J. H.	Washington	Sudley	35
"	30	Berkley, Dr. H. J.	Baltimore	Ilchester	40
Sept.	9	Ucker, C. S.	Savannah, Ga.	California	337
"	27	Robertson, E. M.	Baltimore	Gaithersburg	30
Oct.	2	Shamberger, Mrs.	Baltimore	Shamberger, Baltimore Co.	120
"	2	Pleasants, H.	277 S. 4th st Phila., Pa.	Near Rocks, Deer Creek	200
"	8	Choate, M. E.	Randallstown	Randallstown	40
"	17	Myers, Mrs. J. W. Care Dr. Myers	322 N. Charles Baltimore	New Windsor	25
"	25	McCully, A. A.	Royal Oak	3½ mi. S. W. of Royal Oak	30
"	25	Simonson, L. W.	St. Michaels	1½ mi. E. of St. Michaels	20
"	27	Irving, Mrs.	Baltimore	Gotts Station	40
Nov.	20	Shmick, J. F.	Preston	2 mi. S. E. of Preston	1½
"	20	Rosebrook, H. J.	Preston	3 mi. N. W. of Preston	29
"	28	Scott, Dr.	Sandy Spring	Sandy Spring	50
"	28	Miller, B. H.	Ashton	Ashton	25
Dec.	3	Davis, J. A.	Pittsfield	3 mi. S. W. of Pittsfield	65
"	3	Dulaney, R. A.	Fruitland	½ mi. west of Fruitland	7
"	4	Christopher, J. H.	Bethlehem	1 mi. N. W. of Bethlehem	60
"	4	Boevers, William	Preston	2 mi. N. of Preston	7
"	9	Pollitt, Mrs. F.	Loretta	½ mi. E. of Loretta Station	200
"	10	Chippinger, O.	Westover	2 mi. S. of Westover	17
"	10	Long, Robert	Westover	6 mi. S. E. of Princess Anne	30
"	11	Townsend, C. W.	Marion	1½ mi. W. of Marion	30
"	11	Gunby, Paul	Marion	2 mi. S. of Marion	150
"	11	Luettinger, W.	Marion	2 mi. west of Marion	110
"	11	Price, George	Marion	5 mi. east of Marion	87
"	11	Conner, W. J. A.	Marion	2 mi. east of Marion	40
"	12	Dykes, B. F.	Princess Anne	East of Princess Anne	80
"	12	Probst, S. F.	Princess Anne	½ mi. S. E. of King's Creek	150
"	12	Staiber, A.	Princess Anne	8 mi. E. of Princess Anne	45
"	20	Levy, Julius Co.	Baltimore	Govans St. Mary's County	60
1925					
Jan.	19	Buckheister, G.	Upper Marlboro	Oak Grove near Leeland	60
"	22	Dinsmore, T. M.	Baltimore	Joppa Farms near Bradshaw	230
"	25	Edwards, Dr. A. M.	Washington, D.C.	End of Riggs rd. Pr. Geo. Co.	25
"	31	MacBeth, Glen	La Plata	2½ mi. west of La Plata	100
Feb.	3	Holland, Mrs. S.	Chevy Chase	3 mi. N. E. of Gaithersburg	60

WOODLAND EXAMINATIONS—(Continued)

Date 1925		Owner	Address	Location	No. Acres
Feb.	4	Ferguson, Mrs. A. L. L.	Washington, D.C.	On Potomac River S. W. Cor. Prince Georges County	50
"	6	Brooke, Lee E.	Silver Spring	6 mi. North of Silver Spring	30
"	12	Miller, H. U.	Oakland	Shady Dell	250
"	18	Moust, J. A.	Grantsville	2½ mi. N. E. of Grantsville	100
"	25	Harris, D. T.	Harpers Ferry	near Pleasantville	120
"	25	Harris, D. T.	Harpers Ferry	West side of Elk Ridge	275
"	25	Clarke, Miss J. M.	Weverton	East side of Elk Ridge	100
"	26	Delaplaine, W. T.	Frederick	Reels Mills	80
Mar.	5	Boston, Charles	Princess Anne	4½ mi. E. of King's Creek Sta.	100
"	11	Bowman, Mrs. W. E.	Snow Hill	3 mi. N. E. of Snow Hill	5
"	11	Bready, R. A.	Lutherville	Near Lutherville	80
"	12	Mitchell, W. C.	Salisbury	1 mi. south of Salisbury	40
"	12	Hastings, C.	Salisbury	4 mi. east of Salisbury	½
"	13	Isaacs, Mrs., care of E. B. Passano	Baltimore	Near Harrisonville	45
"	13	Pollitt, M. I.	Lexington Bldg. Baltimore	6 mi. southwest of Salisbury	5
"	13	Parsons, G. S.	Salisbury	4 mi. east of Salisbury	2
"	13	Phillips, Mrs. M.	Salisbury	2 mi. east of Salisbury	
"	17	Sewell, Roy	Wittman	1 mi. north of Wittman	60
"	26	McCormick, E. W.	T. B.	1½ mi. west of T. B.	400
April	1	Mueller, Mrs. B.	Davidsonville	2½ mi. east of Davidsonville	90
"	15	Weybright, D. S.	Thurmont	Eylers Valley 5 mi. fr. Thurm.	202
"	16	Trainer, Mrs. A.	Phila., Pa.	Seat Pleasant, Md.	40
"	27	Todd, Robert	Indianapolis, Ind.	Near Bel Alton	400
May	28	Thompson, Miss E.	Ellicott City	Worthington Valley	110
June	5	Schall, W. H.	Cordova	East of Chapel Station	5
"	5	Walls, E. P.	Easton	Rhodesdale	55
July	29	Harford County 4 H. Club care County Agt.	Bel Air, Md.	Rocks Deer Creek	185
Sept.	15	Foley, Mrs. K.	Oakland	5 mi. west of Oakland	40
"	24	Scarborough, L. G.	Whiteford	4 mi. east of Whiteford	62
"	24	Holmes, W. H.	Bel Air	Bel Air	6
"	24	McNabb, P. P.	Whiteford	3 mi. east of Whiteford	40
"	26	Campbell, M.	Easton	Miles River Neck	200
"	26	Goldsborough, R.	Easton	6 mi. east of Easton	55
"	30	Fairbanks, M.	Ellicott City	Near Mayfield, corners	50
"	30	Nichols, A. W.	Glenelg, Howard County	Near Junction Tridelphia pike and Rolling Road	18
"	26	Carmine, Mrs. M. A.	Mt. Washington	Near Mt. Washington	50

Total Number Examinations, 97. Total acres 5,544

IMPROVEMENT DEMONSTRATIONS.

Listed below are the wooded areas in which special assistance was given in marking the trees to cut, estimating the timber and its value and helping the owners to market it to the best advantage, thereby constituting a demonstration of practical forestry.

Date	Owner	Address	Location	No. Acres
1923				
Dec. 20	Stand. Lime & Stone Co.	Baltimore	Md. Heights	117
Jan. 8	Sattler, G. W.	Monkton	Corbett	10
1924				
May 1	Bowie, W. B.	Largo	Largo	30
Aug. 4	Berkley, Dr. H. J.	Baltimore	Ilchester	40
May 11	Franklin, J. H.	Washington	Sudley	35
Sept. 27	Robertson, E. M.	Baltimore	Gaithersburg	30
1924				
Oct. 3	Dept. of Forestry	Baltimore	Hollofield	20
Nov. 11	Myers, Mrs. J. W.	Baltimore	New Windsor	25
" 18	Choate, M. E.	Randallstown	Randallstown	40
1925				
Jan. 6	Smith, S. Seymour	Long Green	Long Green	10
Feb. 7	Ferguson, Mrs. A. L. L.	Washington	On Potomac River	50
" 18-19	Lee, Brooke	Silver Spring	Silver Spring	30
" 19-20	Holland, Mrs. S.	Chevy Chase	Gaithersburg	60
Mar. 13	Isaacs, Mrs. Care E. B. Passano	Baltimore	Near Harrisonville	45
April 14-15	Levy, Julius L.	Baltimore	Govans	7
May 12-18	Woodlawn Cemetery, care R. Stewart	Baltimore	Woodlawn	200
" 21-22	Gary, James & Son	Baltimore	Alberton	400
" 26	Bready, R. A.	Lutherville	Near Lutherville	80
Sept. 15	Foley, Mrs. K.	Oakland	5 mi. west of Oakland	40
Total Number Demonstration 19			Total Number Acres	1,134

PLANTINGS.

The number of forest plantings made during the years, 1924 and 1925, has exceeded any previous two years. The list below contains only those where the stock was furnished at cost from the State Forest Nursery. It is likely that there were a few small plantations started from stock obtained elsewhere, but there is no record.

Date	Owner	Address	Location	Acreage
Fall				
1923	Geis, John H.	Baltimore, Md.	Brooklyn, Md	1
1923	Granling, Chas. H.	Baltimore, Md.		½
1923	Richards, Com. L	Havre de Grace, Md.		3
1923	Schmidt, Chas. R.	Braddock Heights, Md.		¾
Spring.				
1924	Bassett, Claude	Berlin, Md.		1½
1924	Dryden, N.	Snow Hill, Md.		1½
1924	Daughters of American Revolution	Fort Frederick, Md.		1
1924	Johnson, L. B.	Morganza, Md.		3
1924	O'Donnell, E. R.	Mt. Lake Park, Md.		3
1924	Tucker, Henry	Bellevue, Md.		1
1924	Van Horn, Harry	Salisbury, Md.		2
1924	Stevenson, Geo. H.	Bel Alton, Md.		2
1924	Spring & Wheeler	Easton, Md.		2½
Fall.				
1924	Berkley, Dr. H. J.	Baltimore, Md.	Ilchester, Md.	1
1924	Geis, John H.	Baltimore, Md.	Brooklyn, Md.	4
1924	Grief, J. B.	Baltimore, Md.		1
1924	Hatton, Oscar L.	Severna Park, Md.		1
1924	Labat, J.	Anacostia, D. C.		½
1924	Md. Tuberculosis Sanatorium, Colored Branch, Henryton, Md.			2
1924	Mason, Samuel, Jr.	Darlington, Md.		4
1924	Whitham, Dr. L. B.	Baltimore, Md.		1
Spring.				
1925	Bachrach, Walter	Bethesda, Md.		1
1925	Chandler, C. F.	Snow Hill, Md.		1
1925	Chaney, C. C.	Baltimore, Md.		¾
1925	Colhoun, C. F.	Cumberstone, Md.		3
1925	Cory, Henry F.	Linthicum Heights, Md.		1
1925	Dulany, R. O.	Fruitland, Md.		1
1925	Evans, Standley	Elkton, Md.		4½
1925	Fitchett, Thomas H.	Glenarm, Md.		2½
1925	State Department of Forestry	1411 Fidelity Building, Baltimore, Md.	Fort Frederick	9

PLANTINGS—(Continued)

Date	Owner	Address	Location	Acreage
1925	Franklin, J. Harris	Washington, D. C.	Sudley	1½
1925	Fuller, F. W.	Westminster, Md.		1½
1925	Grubb, E. W.	Centerville, Md.		6
1925	Harley, Chas. F.	Baltimore, Md.		½
1925	Huntt, David B.	Salisbury, Md.		2
1925	Hunter, J. W.	McDaniel, Md.		½
1925	Lanahan, W. W.	Timonium, Md.		1¾
1925	Landon, E. T.	Marion Station		4½
1925	Lansdale, Dr. P. S.	Frederick, Md.		½
1925	Nicola, F. F.	Oakland, Md.		30
1925	O'Donnell, E. R.	Mt. Lake Park, Md.		1
1925	Ridgely, Neville R.	Towson, Md.		2
1925	Schwab, Walter G.	La Plata, Md.		4½
1925	Shane, J. M. M., Jr.	Silver Spring, Md.		½
1925	Shank, Isaac R.	Hagerstown, Md.		½
1925	Stunkle, Mrs. Edgar	Tuscarora, Md.		¾
1925	Tilghman, Dennis	Salisbury, Md.		4
1925	Washburn, John R.	Sparks, Md.		1
1925	Wickless, C. A.	Frederick, Md.		1

LECTURES.

A popular service rendered by the Department is the giving of illustrated lectures on various forestry subjects by the State Forester and his three assistants. For this purpose there are available 1,000 lantern slides, most of them colored, and several reels of motion pictures, with proper equipment for showing them.

*Illustrated. †Given in conjunction with the extension service.

Date 1923		Location	Under Auspices
Oct.	1	School, Baltimore	*Parent Association.
"	5	Willard's High School	*Willard Community Club.
"	24	Hancock	*Forest Warden Exline.
"	30	Friendsville	Friendsville High School.
"	31	Grantsville	Grantsville High School.
Nov.	2	Sandy Springs	*Parent Association.
"	13	Page School, Baltimore	*Page School.
"	19	Merrill	†*Merrill Farm Bureau.
"	20	Spence	†*Spence Farm Bureau.
"	21	Showells	†*Showells Farm Bureau.
"	22	Pocomoke	†*Pocomoke Farm Bureau.

LECTURES—(Continued)

Date	Location	Under Auspices
1923		
Nov. 22	School No. 78, Baltimore	*Junior High School No. 78.
" 24	Snow Hill	†*Snow Hill Farm Bureau.
" 26	Goodwell	†*Goodwell Farm Bureau.
" 27	Aquanco Brandi	†*Aquanco Brandi Farm Bureau.
" 28	Girdle Tree	†*Girdle Tree Farm Bureau.
" 30	St. Agnes Church, Balto.	*Reverend I. Fealy.
Dec. 6	Calvert Christ Ch., Balto.	*Reverend C. S. Ehrlers.
" 6	Centerville	†*Centerville Farm Bureau.
" 7	Church Hill	†*Church Hill Farm Bureau.
" 7	Garrett Heights Public School, Balto.	*Public Schools.
" 7	Vocational School, Balto.	*Public Schools.
" 7	West Point Swindel Memorial Church	*Reverend C. D. Taylor.
" 10	Sudlerville	†*Sudlerville Farm Bureau.
" 13	Evan. Luth. Church, Balto.	*Reverend Schmidt.
" 14	Jessups	*Jessups Lit. Co.
" 15	Salisbury	†*Wicomico Grange.
" 17	Havre de Grace	*High School.
" 19	Havre de Grace	*Rotary Club.
" 21	Feagaville	*Billinger Grange.
1924		
Jan. 2	Hyattsville	Prince Georges County Volunteer. Firemen's Association.
" 3	Fork	*Patrons Club of Fork School.
" 7	Glenburnie	*Parent-Teacher's Association.
" 9	St. Timothy's Church, Catonsville	*Men's Club.
" 10	Reid Memorial Guild Asso., Baltimore	*Reid Memorial Community Club.
" 11	Notre Dame College	*The College.
" 12	Walbrook M. E. Church, Baltimore	*Scout Troop 86.
" 11	St. Dominic's Catholic Church, Balto.	Scout Troop No. 172.
" 14	School No. 76, Balto.	*School No. 76.
" 16	School No. 72, Balto.	*Parent-Teacher's Association.
" 17	Western High School, Balto.	*School.
" 22	Pimlico School No. 223, Baltimore	*7th and 8th Grades.
" 22	Eutaw Pl. Temple, Balto.	*Scout Troop No. 122.
" 22	Millersville	†Millersville Farm Bureau.
" 28	Fulton Presbyterian Church, Balto.	*Men's Club.

LECTURES—(Continued)

Date 1924		Location	Under Auspices
Jan.	31	Perry Hall	*Perry Hall Improvement Association.
"	31	Laurel Presb. Ch. Guild	*Presbyterian Church.
"	31	Reid Memorial Guild House, Balto.	*Reid Memorial Community Club.
Feb.	8	Fairland High School	*Community Association.
"	12	Church of Reformation, Baltimore	*Men's Club.
"	14	Glyndon	†*Glyndon Farm Bureau.
"	18	Concord	†*Concord Farm Bureau.
"	20	American Corners	†*American Corner Farm Bureau.
"	21	Henderson	†*Henderson Farm Bureau.
"	21	Laurel Pres. Ch. Guild	*Presbyterian Church.
"	27	Church of Messiah, Hamilton	*Social Guild.
Mar.	1	Mount Vernon M. E. Church, Balto.	*Patrol Leaders Pow Wow.
"	3	Oakland High School	High School.
"	3	Oakland Court House	*Forest Wardens' Conference.
"	4	Speilman's Hall, Big Pool	*Forest Wardens' Conference.
"	7	First Presbyterian Church, Balto.	*Boy Scout Troop No. 56.
"	8	Community Hall, Balto.	*Patrol Leaders Pow Wow.
"	12	Home of Mrs. R. Rowland, Baltimore	*Garden Club of Green Spring Valley.
"	13	School No. 66, Balto.	*6th, 7th and 8th Grades.
"	13	St. Gregory Church, Balto.	*Scout Troop No. 181.
"	17	Easton Court House	†*Easton Farm Bureau.
"	18	Cordova	†*Cordova Farm Bureau.
"	19	McDaniel	†*McDaniel Farm Bureau.
"	25	Grace Lutheran Church, Baltimore	*Lutheran Brotherhood.
April	2	Y. W. C. A., Balto.	*Girl Scout Leaders.
"	4	Teacher's Training School, Baltimore	*School.
"	4	Garrett Heights School, Baltimore	School.
"	4	Montebello School, Balto.	*School.
"	4	Locust Point School No. 76, Baltimore	*School.
"	4	School No. 1, Balto.	School.
"	4	School No. 5, Balto.	School.
"	7	Laurel High School	*School.
"	7	Races Hotel	Frostburg Rotary Club.
"	7	Piney Grove M. E. Church	*Warden C. A. Fletcher.
"	8	Wellersburg, Pa.	*Wellersburg School.

LECTURES—(Continued)

Date 1924	Location	Under Auspices
April 8	Columbia Street School	*Parent-Teacher's Association of Cumberland.
" 9	La Vale School House	*School.
" 9	Union Grove School Hse.	†*Union Grove Community Club.
" 10	Eckhart Mine's School	*School.
" 10	Cresaptown School	*J. J. Helmstetter.
" 11	Lonaconing High School	*School.
" 11	Flintstone High School	†*Flintstone Community Club.
" 11	Emerson Hotel	Md. Parent-Teacher's Association.
" 11	Vocational School, Balto.	*School.
" 11	Federal Junior High School No. 70, Baltimore	*8th and 9th Grades.
" 17	University of Maryland, College Park	Senior Class specializing in Extension.
" 23	Kensington Town Hall	Volunteer Fire Company.
" 24	Bryn Mawr League, Balto.	*Scout Troop No. 137.
" 24	Port Mission, Balto.	*Mission Leaders.
" 25	Vocational School, Balto.	*School.
" 25	4th Reg. Armory, Balto.	*Central District Boy Scouts.
" 25	Bel Air High School	*School.
" 25	Churchville School	*School.
May 2	Ellicott City High School	*School.
" 9	School No. 67, Balto.	*Parent-Teacher's Association.
" 10	Marine Bar. Annapolis	State Police.
" 14	Bladensburg	*Prince George's County Volunteer Fire Association.
" 14	Knights of Columbus Hall, Raspeburg	*Knights of Columbus.
" 16	Marine Bar., Annapolis	State Police.
" 16	Annapolis Grammer Schl.	*Parent-Teacher's Association.
" 23	Vocational School, Balto.	*Parent-Teacher's Association.
June 6	Garfield School	*School.
" 19	Colora School	*Colora Improvement Association.
" 20	Tome Institute, Port Deposit	*Troop No. 1, B. S. A.
" 26	Camp Wawanaissa	Camp Fire Leaders.
" 30	Camp at Magnolia	Girl Scout Leaders.
" 30	Camp at Magnolia	Girl Scout Leaders.
July 1	Camp at Magnolia	Girl Scout Leaders.
" 1	Camp at Magnolia	Girl Scout Leaders.
" 2	Camp at Magnolia	Girl Scout Leaders.
Nov. 21	B. and O. Bldg., Balto.	*B. and O. R.R. Account. Asso.
Dec. 2	Cabin John Park	*Cabin John Park Citizens Asso.
" 2	Salisbury	†*Hardy Garden Club.

LECTURES—(Continued)

Date		Location	Under Auspices
1924			
Dec.	6	Upper Marlboro	Prince George County Commissioner Council.
"	10	Fayette St., Balto.	*Cornell Club.
"	19	Monument & Sterling sts., Baltimore	*Bible Class.
1925			
Jan.	12	Arbutus, Md.	*Parent-Teacher's Association.
"	13	Frederick, Md.	Kiwanis Club.
"	14	Old Frederick Road	*7th and 8th Grades.
"	14	Hagerstown	Rotary Club.
"	14	Paramount	School
"	15	Frederick	Lions Club.
"	23	Baltimore, Md.	*Troop 140, Boy Scouts.
"	26	Baltimore, Md.	*Ladies Aid Society.
"	26	Baltimore, Md.	*Men's Club.
"	27	Baltimore, Md.	*Men's Club.
"	28	Arnold, Md.	*Patron's Club.
"	28	Baltimore, Md.	*Martin Luther Brotherhood.
"	30	Baltimore, Md.	Civitan Club.
Feb.	3	Annapolis	*Rotary Club.
"	6	Baltimore, Md.	*Home School Club.
"	6	Hamilton, Md.	*Hamilton Women's Club.
"	9	Hutton	†*Grange.
"	10	Sang Run	†School.
"	10	Gorman	†*School.
"	10	Kerney	†*Grange.
"	11	Cowenton	*Parent-Teacher's Association.
"	11	Sunnyside	†*Grange.
"	12	Hebbville	*Parent-Teacher's Association.
"	12	Friendsville	†*High School.
"	13	Fullerton	*4th and 7th Grades.
"	13	Ashland	*Parent-Teacher's Association.
"	13	Baltimore, Md.	*Boy Scouts District Meeting.
"	13	Shady Dell	†*Grange.
"	14	Keyser Ridge	†*Grange.
"	16	Baltimore, Md.	*Maryland Forestry Association.
"	17	Baltimore, Md.	*Leeds Ave. Improvement Asso.
"	17	Grantsville	†*High School.
"	18	Baltimore, Md.	*Forest Park High School, 9th Grade
"	18	Kitzmiller	†*High School.
"	19	Pikesville	*Parent-Teacher's Association.
"	19	Dundalk	*Parent-Teacher's Association.
"	19	Pleasant Valley	†*Grange.
"	20	Accident	†*High School.

LECTURES—(Continued)

Date 1925	Location	Under Auspices
Mar. 5	Glenburnie	*Glenburnie High School Parent-Teacher's Association.
" 10	Rossville	*Parent-Teacher's Association.
" 10	Westminster	*Agricultural Class.
" 10	East Brunswick	*Parent-Teacher's Association.
" 11	Westminster	*High School.
" 11	Frederick	School.
" 11	Frederick	*Volunteer Fire Company.
" 12	Mt. Herman	†*Parent-Teacher's Association.
" 12	Emmitsburg	School.
" 12	Thurmont	*School.
" 12	Walkersville	*Community Association.
" 13	New Market	*Farm Bureau.
" 13	Baltimore, Md.	*Men's Club.
" 17	Govans	*Parent-Teacher's Association.
" 17	Wittman	†*School.
" 18	Easton	†*Grange.
" 19	Buckeysville	*Parent-Teacher's Association.
" 19	Preston	†Preston Women's Club.
" 20	Baltimore, Md.	*School.
" 20	Denton	†Denton Women's Club.
" 20	Greensboro	†Parent-Teacher's Association.
" 23	Baltimore, Md.	*Colonial Dames.
" 24	Annapolis	State Police School.
" 24	Violetville	*Parent-Teacher's Association.
" 31	Hagerstown	Lion's Club.
April 1	Frederick	Rotary Club.
" 1	Pimlico	*School.
" 1	Pimlico	*Mother's Club.
" 2	Glyndon	*Parent-Teacher's Association.
" 3	Baltimore, Md.	*School.
" 3	Towson	*School.
" 3	Baltimore, Md.	*Parent-Teacher's Association.
" 6	Hampstead	†*Farm Bureau.
" 7	Baltimore	*Patron's Club.
" 7	Gamber	†*Farm Bureau.
" 8	Uniontown	†*Farm Bureau.
" 14	Hagerstown	*County Teacher's Institute.
" 14	Smithsburg	†*Grange.
" 15	Leitersburgh	†*Grange.
" 15	Westminster	Rotary Club.
" 16	Boonsboro	†*Community Club.
" 17	Baltimore, Md.	*Science Classes.

LECTURES—(Continued)

Date 1925	Location	Under Auspices
April 17	Baltimore	United Women of Maryland.
" 17	Bengies	*Parent-Teacher's Association.
" 21	Mitchellville	*Farm Bureau.
" 22	Mt. Pleasant	*Mt. Pleasant Grange.
" 23	Woodsboro	*Parent-Teacher's Association.
" 24	Garfield	*Parent-Teacher's Association.
" 24	Chestertown	*Elementary School.
" 29	Rockville	†School.
" 30	Poplar	*Parent-Teacher's Association.
" 30	Baltimore	Izaak Walton League.
" 30	Sweet Air, Md.	*Parent-Teacher's Association.
May 1	Baltimore	*Vocational School.
" 2	Near Monkton	*Parent-Teacher's Association.
" 4	Frostburg	Rotary Club.
" 4	Frostburg	School.
" 8	Ardmore	*Parent-Teacher's Association.
" 13	Baltimore	*School No. 40.
" 13	Baltimore, Md.	*Forest Park School.
" 13	Mt. Zion, Md.	*Community Association.
" 14	Near Joppa, Md.	*Parent-Teacher's Association.
" 15	Green Haven	*Church.
" 18	Joppa Heights, Md.	Parent-Teacher's Association.
" 18	Waldorf, Md.	*Forestry Department.
" 19	Baltimore, Md.	Garden Club of 20.
" 19	Pomonkey	*Forestry Department.
" 20	Baltimore, Md.	*8th and 9th Grades.
" 20	La Plata	*Forestry Department.
" 21	Hughesville	*Forestry Department.
" 26	Near Maryland Line	*Parent-Teacher's Association.
" 27	Near Wolfsville	*School.
" 28	Chestnut Grove	*School.
" 28	Gardenville	*Parent-Teacher's Association.
" 29	Middletown	*Boy Scouts.
" 29	Frederick	*Troop No. 4, Boy Scouts.
June 2	Timonium	*Parent-Teacher's Association.
" 8	Rossville	*School.
" 9	Beltsville	*Beltsville Grange.
" 10	Emmorton	*Emmorton Grange.
" 27	Kingsville	*Church Guild.
" 29	Baltimore, Md.	*Scout Troop 141.
" 30	Baltimore, Md.	*Church Brotherhood.
July 9	Baltimore, Md.	*Church.
" 11	Rocky Ridge	*Mt. Tabor Association.
" 13	Towson	*State Parent-Teacher's Association.

LECTURES—(Continued)

Date 1925	Location	Under Auspices
July 13	Pomonkey	†*Farm Bureau.
" 14	Marbury	†*Farm Bureau.
" 14	Sparks	*Sparks Grange.
" 15	Bryantown	†*Farm Bureau.
" 16	La Plata	†*Farm Bureau.
" 17	Glasva	†*Farm Bureau.
" 18	Grayton	†*Farm Bureau.
" 20	Du Bois	†*Farm Bureau.
" 21	McConkie	†*Farm Bureau.
" 28	Rocks	†*Harford 4 H. Club.
" 29	Rocks	†Harford 4 H. Club.
" 30	Rocks	†Harford 4 H. Club.
Sept. 23	Near Whiteford	*Prospect Farm Bureau.

PUBLICATIONS.

LEAFLETS.

* 1 Practical Assistance to Owners of Woodlands.
* 2 Maryland Fire Laws and Fire Prevention.
* 3 Forest Laws of Maryland.
* 4 Instructions to Forest Wardens.
* 5 Woodlot Forestry for Maryland Farmers.
* 6 Marketing the Forest Crop.
* 7 Maryland's Forest Resources.
* 8 Forest Resources and Forest Conditions of Prince Georges County, Maryland.
* 9 Forests and Forest Management in Kent County, Maryland.
*10 Forests and Forest Management in Harford County, Md.
*11 Work of the State Board of Forestry for 1909.
*12 Demonstration Forests.
*13 Working Plan of Woodland.
14 Forest Exhibits for Schools.
15 General Forestry Laws.
*16 Roadside Tree Law.
*17 Instructions for Tree Planting.
18 Plan of Cooperation Between Woodland Owner and the State Forester.
*19 Fire Wood to Relieve the Coal Shortage.
20 Patapsco Forest Reserve.
21 The Forest Fire Evil.
22 Lectures and Lecturers.
23 Forest Wardens.
24 Forest Planting.
25 Black Walnut.

PUBLICATIONS—(Continued)

LEAFLETS—(Continued)

26 White Ash.
27 Red Oak.
28 Tulip Poplar.
29 Black Locust.
30 Shortleaf Pine.
31 White Pine.
32 Loblolly Pine.
33 Camping on the State Forests in Western Maryland.
34 Instructions for Proper Planting.
35 Camping at Fort Frederick State Forest.

BULLETINS.

*Report of the State Board of Forestry, 1906-1907.
Report of the State Board of Forestry, 1908-1909.
*Report of the State Board of Forestry, 1910-1911.
Report of the State Board of Forestry, 1912-1913.
*Report of the State Board of Forestry, 1914-1915.
Report of the State Board of Forestry, 1916-1917.
Report of the State Board of Forestry, 1918-1919.
Report of the State Board of Forestry, 1920-1921.
Report of the State Department of Forestry, 1922-1923.
*Forests of Allegany County.
Forests of Anne Arundel County.
Forests of Baltimore County.
Forests of Frederick County.
Forests of Garrett County.
Forests of Kent County.
*Forests of Prince Georges County.
Forests of Washington County.
*Increasing the Durability of Fence Posts.
*Wood-Using Industries of Maryland—First Edition.
Forests of Maryland.
Maryland Forest Fire Manual.
Wood-Using Industries of Maryland—Second Edition.
*Forest Reserves of Maryland.
Basket Willow Culture in Maryland.
Loblolly Pine in Maryland.

*Not available for Distribution.

FOREST FIRE SIGN, 1924

on heavy red paper

FOREST FIRE SIGN, 1925